Property of _____

_____

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Class of September 6, 1997 –
March 19, 2001
14622 - 17025

Volume VI

National® Brand 56-907
Made in USA

September 6, 1997. Missouri: Vernon County. Camp Clark National Guard Area. East/southeast of Nevada and east of highway K & 71. T35N, R30W & 31W Lat. 37°50'N long 94°18'W

3 of 3
14622. Lactuca floridana var. floridana f. floridana (L.) Gaertner Asteraceae
Margin of dry, rocky Quercus/Carya woods. R30, S18, SE 1/4

5
14623. Quercus velutina Lam. form. missouriensis (Sarg.) Trel. Fagaceae
Margin of dry, rocky Quercus/Carya woods. R30, S18, SE 1/4

2
14624. Desmodium cuspidatum var. cuspidatum (Muhlenb. ex Willd.)
Margin of dry, rocky oak woods. Loudon Fabaceae
R30W, S18, SE 1/4.

4
14625. Desmodium marilandicum (L.) DC.
Margin of dry, rocky oak woods. R30W, S18, SE 1/4. Fabaceae

4
14626. Chrysopsis pilosa Nutt. Asteraceae
Prairie. R31, S12, SE 1/4

6
14627. Eragrostis spectabilis (Pursh) Steudel
Prairie. R31, S12, SE 1/4. Poaceae

3
14628. Grindelia lanceolata var. lanceolata f. lanceolata Nutt.
Prairie R31, S12, SE 1/4 Asteraceae

4 ✓
14629. Chloris verticillata Nutt.
Disturbed ground. R31, S13, NW'1/4. Poaceae

4 ✓
14630 Aster pilosus Willd. var. pilosus f. pilosus
Prairie. R31W, S12, SE'1/4 Asteraceae

1 ✓
14631. Eclipta prostrata (L.)L. Asteraceae
On soil over sandstone of stream. R31W, S13, NW'1/4.

2 ✓
14632. Boltonia asteroides var. latisquama (A. Gray) Cronq.
On soil along stream (open). R31W, S13, NW'1/4 Asteraceae

2 ✓
14633. Chamaecrista nictitans var. nictitans (L.) Moench
Prairie & Rocky dry woods. R31W, S12, SE'1/4 Caesalpiniaceae

1 ✓
14634. Solidago gigantea Aiton
Prairie; R31, S12, SE'1/4. Asteraceae

3 ✓
14635. Mulenbergia sylvatica
Rocky, dry woods. R30W, S18, NW'1/4 Poaceae

3 ✓
14636. Polygonum scandens L. Polygonaceae
Margin of woods along road. R30W, S18, NW'1/4.

3 ✓
14637 Asimina triloba (L.) Dunal
Margin of woods along road. R30W, S18, NW'1/4. Annonaceae

4 ✓
14638. Platanus occidentalis L. Platanaceae
Margin of woods along road. R30W, S18, NW'1/4.

4 ✓
14639. Lespedeza virginica (L.) Britton
Margin of woods along road. R30W, S18, NW'1/4. Fabaceae

4. ✓
14640. Desmodium paniculatum (L.) DC.
Margin of woods along road. R30W, S18, NW'1/4. Fabaceae

4. ✓
14641. Panicum capillare L.
Prairie. R31W, S12, SE'1/4. Poaceae

1 ✓
14642. Lespedeza procumbens Michaux
Open woods. R30W, S18, NW'1/4. Fabaceae

2 ✓
14643. Gnaphalium obtusifolium var. obtusifolium L.
Prairie; R31W, S12, SE'1/4. Asteraceae

4 ✓
14644. Agrostis perennans var. perennans
Margin of woods along road. R30W, S18, NW'1/4. Poaceae

3 ✓
14645. Solidago petiolaris var. angusta (Torrey & A. Gray) A. Gray
Margin of woods along road. R30W, S18, NW'1/4 Asteraceae

3 ✓
14646. Bidens aristosa f. aristosa (Michx.) Britton
Roadside ditch. R30W, S18, NW'1/4. Asteraceae

4 ✓
14647. Diospyros virginiana var. platycarpa Sarg. f. platycarpa
Open woods. R30W, S18, NE¼.

2 ✓
14648. Hackelia virginiana (L.) I.M. Johston Boraginaceae
Open woods. R30W, S18, NE¼.

2 ✓
14649. Euphorbia dentata Michx.
Roadside at margin of woods. R30W, S18, NE¼. Euphorbiaceae

6 ✓
14650. Aster patens var. gracilis Hook.
Margin of dry, rocky woods. R30W, S18, NE¼. Asteraceae

2 ✓
14651. Bidens bipinnata L.
Margin of dry, rocky woods. R30W, S18, NE¼. Asteraceae

1 ✓
14652. Desmodium cuspidatum var. cuspidatum (Muhlenb. ex Willd.) Loudon
Margin of dry, rocky woods. R30W, S18, NE¼. Fabaceae

6 ✓
14653. Onoclea sensibilis L. Dryopteridaceae
Low woods; R30W, S18, NE¼.

5
14654. Frullania inflata Gott.
Low woods on tree trunks; R30W, S18, NE¼. Jubulaceae
Quercus

3
14655. Entodon seductrix (Hedw.) C. Muell.
Rocky dry woods at base of tree. R30W, S7, SW¼.

3
14656. Hygroambly stegium
Moist ground in low woods. R30W, S18, NE'1/4.

3
14657
Dry ground in woods. R30, S7, SW'1/4.

3
14658. Ditrichum
In dry, rocky Quercus/Carya woods. R30W, S18, NW'1/4.

21
14659. Chiloscyphus profundus (Nees) Engel & Schust.
Dry bank along road; R30W, S18, NW'1/4. Lophocoleaceae

2
14660
Dry bank along road; R30W, S18, NW'1/4.

3
14661. Poganatum
Dry bank along road; R30W. S18, NW'1/4.

MO:
September 19, 1997. Jasper County. Off M North Side highway just east of highway 171. T30N, R34W, S31, SE'1/4.

4 ✓
14662. Agalinis fasciculata (Elliot) Raf.
Open prairie. Scrophulariaceae

1 ✓
14663. Carex lupulina Muhlenb. Cyperaceae
Middle of intermittent stream, mostly dry.

3 ✓
14664. Agalinis skinneriana (Alph. Wood) Britton
Mowed prairie near entrance. Scrophulariaceae

3 ✓
14665. Agalinis viridis (Small) Pennell
Dry, sparsely vegetated area on east side of sumac mound. Scrophulariaceae

September 21, 1997. Missouri: Barton County. Prairie State Park, ca. 5.5 Km north of Mindenmines (highway 160).
w/ Coleb Timme

4 ✓
14666. Bothriochloa saccharoides ssp. torreyana (Steudel) Allred & Gould Poaceae
S23, SW¼, SE¼; open prairie.

5 ✓
14667. Paspalum laeve var. pilosum Scribner Paaceae
S21, NW¼, NW¼; disturbed ground along intermittent stream.

✓
14668. Gnaphalium obtusifolium var. obtusifolium L. Asteraceae
Open prairie; S23, SW¼, SE¼.

4 ✓
14669. Euthamia gymnospermoides E. Greene Asteraceae
Open prairie. S23, SW¼, SE¼

1 ✓
14670. Gentiana puberulenta J. Pringle — Gentianaceae
Open prairie; S23, SW¼, SE¼

3 ✓
14671. Dichanthelium clandestinum (L.) Gould — Poaceae
Margin of woods near intermittent stream; S21, NW¼, NW¼.

4 ✓
14672. Eupatorium rugosum var. rugosum Houtt. — Asteraceae
Margin of woods along road through campground. S17, NE¼, NE¼.

8 ✓
14673 Aster praealtus var. praealtus Poiret — Asteraceae
Margin of prairie along roadside; S20, SE¼, NE¼.

2 ✓
14674. Buchnera americana L. — Scrophulariaceae
Open prairie; S20, SE¼, NE¼.

2 ✓
14675. Solidago rigida var. rigida L. — Asteraceae
Open prairie; S20, SE¼ & NE¼.

2 ✓
14676. Agalinis aspera (Douglas ex Benth.) Britton — Scrophulariaceae
Intermittent stream / swale area. S20, NE¼, SW¼.

3 ✓
14677. Solidago speciosa var. rigidiuscula Torrey & A. Gray — Asteraceae
Low moist area at base of sumac mound. S20, SE¼, NE¼.

1 ✓
14678. Aster pilosus var. pilosus f. pilosus Willd. — Asteraceae
Open prairie; S20, SE¼ & NE¼

4 ✓
14679. Aster oolentangiensis Riddell — Asteraceae
S20, SE¼ & NE¼ Open prairie.

2 ✓
14680. Prenanthes aspera Michx. — Asteraceae
S20, SE¼; open prairie

3 ✓
14681. Liatris aspera f. aspera Michx. — Asteraceae
S20, SE¼, NE¼; moist area at base of sumac mound.

1 ✓
14682. Aster ericoides var. ericoides f. ericoides L. — Asteraceae
S20, SE¼ & NE¼; scattered over prairie.

September 28, 1997. Missouri: Vernon County. Camp Clark
East-Southeast of Nevada and east of highway K.

3 ✓
14683. Plagiomnium ciliare (C. Muell.) T. Kop.
On soil of intermittent stream bank. R30W, S18, NW¼.

2 ✓
14684
On log in woods; w/ sporophytes. R30W, S18, NE¼.

2 ✓
14685.
On well rotted stump near intermittent stream in low Oak/Hickory woods. S30W, S18, NE¼.

2 ✓
14686.

on exposed sandy soil over surfacing sandstone. R30W, S18, NE'/4.

1 ✓
14687. Riccia beyrichiana Hampe
on exposed sandy soil over surfacing sandstone. R30, S7, SW'/4

3 ✓
14688. Thuidium delicatulum (Hedw.) Schimp. in B.S.G.
on exposed soil along intermittent stream in low oak/hickory woods. R30W, S18, NE'/4.

2 ✓
14689.

On log in oak/hickory woods. R30W, S18, NE'/4.

1 ✓
14690. Poganatum brachyphyllum (Michx.) P. Beauv.
On soil of intermittent stream bank. R30W, S18, NW'/4.

2 ✓
14691. Ditrichum pallidum (Hedw.) Hampe w/ sporophytes
On soil in oak/hickory woods. R30W, S7, SW'/4.

2 ✓
14692. Entodon seductrix (Hedw.) C. Muell.
At base of Quercus sp. in oak/hickory woods. R30W, S18, NW'/4

3 ✓
14693. Asterella tenella (L.) Beauv.
on exposed soil over surfacing sandstone in prairie.
R30W, S7, SW'/4.

2 ✓
14694.

On Quercus sp. in oak/Hickory woods. R30W, S18, NW'/4.

3 ✓
14695. Weissia controversa Hedw.
On exposed sandstone in prairie. R30W, S7, SW'1/4.

4 ✓
14696 Fissidens taxifolius Hedw.
on exposed soil of road cut. R30W, S18, NE'1/4.

2 ✓
14697. Conobea multifida (Michx.) Benth. Scrophulariaceae
Open field near oak/hickory woods; R31W, S12, SE'1/4.

3 ✓
14698. Froelichia gracilis (Hook.) Moq. Amaranthaceae
On sandy soil along intermittent stream. R30W, S18, NE'1/4.

2 ✓
14699. Aristida oligantha Michx. Poaceae
Open field near oak/hickory woods; R31W, S12, SE'1/4.

3 ✓
14700 Elephantopus carolinianus Willd. f. carolinianus
In formerly burned woods (oak/hickory); R30W, S18, NE'1/4.

3 ✓
14701 Corylus americana
In formerly burned woods (oak/hickory); R30W, S18, NE'1/4.

3 ✓
14702 Erechtites hieracifolia (L.) Raf.
In rocky, open oak/hickory woods; R30W, S18, NW'1/4.

2 ✓
14703 Eragrostis pectinacea (Michx.) Nees Poaceae
Disturbed ground near lake; R30W, S18, NW'1/4.

5 ✓
14704. Muhlenbergia frondosa (Poiret) Fern. Poaceae
Low oak/hickory woods; R30W, S18, NE¼.

4 ✓
14705. Poaceae
Low oak/hickory woods; R30W, S18, NE¼.

5 ✓
14706. Aster turbinellus Lindl. Asteraceae
Low oak/hickory woods; R30W, S18, NE¼.

4 ✓
14707. Aster pilosus Willd. pilosus f. pilosus Asteraceae
Disturbed area off road; R30W, S18, NW¼

4 ✓
14708. Aristida oligantha Michx. Poaceae
R31W, S12, SE¼; Open prairie; over sandstone.

4 ✓
14709. Schizachyrium scoparium (Michx.) Nash v. ~~scoparium~~ Poaceae
Open prairie over sandstone; R31W, S12, SE¼. Little Blue Stem

4 ✓
14710. ~~Bothriochloa saccharoides ssp. torreyana (Steudel) Poaceae~~ Andropogon ternarius Michx.
Open prairie over sandstone; R31W, S12, SE¼. Allred & Gould

4 ✓
14711. Paspalum floridanum var. floridanum Michx. Poaceae
Along roadside at edge of oak/hickory woods. R30W, S18, NW¼.

2 ✓
14712. Cenchrus longispinus (Hack.) Fern. Poaceae
Disturbed ground at edge of lake; R31W, S12, SE¼.

2 ✓
14713. Dichanthelium clandestinum (L.) Gould Poaceae
Low ground near lake. R31W, S12, SE¼.

5 ✓
14714 Tridens strictus (Nutt.) Nash Poaceae
Open prairie over sandstone. R31W, S12, SE¼.

2 ✓
14715 Fabaceae
Disturbed ground at edge of field; R31W, S12, NE¼.

2 ✓
14716. Eragrostis spectabilis (Pursh) Steudel Poaceae
Prairie; R31W, S12, SE¼.

2 ✓
14717. Agalinis fasciculata Scrophulariaceae
Prairie; R31W, S12, SE¼

3 ✓
14718. Aster ericoides L. f. ericoides Asteraceae
Prairie, R31W, S12, SE¼

2 ✓
14719. ~~Euthamia gymnospermoides E. Greene~~ Amphiachyris dracunculoides (DC.) Nutt Asteraceae
Prairie, R31W, S12, SE¼.

3 ✓
14720. Agalinis skinneriana (Wood.) Britt. Scrophulariaceae
Prairie, R31W, S12, SE¼.

5 ✓
14721. Solidago nemoralis A.t. Asteraceae
Prairie Roadside; R31W, S12, SE¼.

3 ✓
14722. Aster praealtus Poir. var. praealtus Asteraceae
Prairie and prairie roadside; R31W, S12, SE¼.

October 5, 1997. Missouri: Barton County. Prairie State Park; 5.5 km north of Mindenmines (highway 160).

2 ✓
14723.
Prairie; S20, NE¼, NW¼.

2 ✓
14724.
Intermittent prairie stream; S20, NE¼, SW¼.

2 ✓
14725. Cenchrus longispinus (Hack.) Fern. Poaceae
Disturbed ground near fence; S21, SW¼, SE¼.

1 ✓
14726. Penthorum sedoides
Moist ground near prairie stream (East Drywood Creek); S16, SE¼, NE¼.

2 ✓
14727. Schizachyrium scoparium (Michx.) Nash Poaceae
Prairie; S22, NE¼, S½

2 ✓
14728. Poaceae
Along railroad tracts; S21, SE¼, NE¼.

4
14729. Poaceae
Along railroad tracts; S21, NE¼, SE¼.

4
14730. Aristida oligantha Michx. Poaceae
Prairie, S20, SE¼, NE¼

2
14731. Froelichia gracilis (Hook.) Moq. Amaranthaceae
Along railroad tracts; S21, NE¼, SE¼.

2
14732. Leucospora multifida (Michx.) Nutt. Scrophulariaceae
Along railroad tracts; S16, SE¼, SE¼.

1
14733. Physalis longifolia Nutt. Solanaceae
Along railroad tracts; S21, NE¼, SE¼.

3
14734. Aristida dichotoma Michx. var. dichotoma Poaceae
Prairie roadside on road to visitor's Center.

3
14735. Polygonum tenue Michx. Polygonaceae
Near S. middle Dogwood Creek where it crosses road to buffalo pens.

October 9, 1997. MO: Vernon County. Camp Clark National Guard Area. East/southeast of Nevada and east of highway 71 & K. T35N, R30W, & 31W.
Lat. 37°50'N. Long. 94°18'W. w/P.L. Redfearn

14736. Corallorhiza odontorhiza (willd.) Nutt. f. odontorhiza
In rocky oak/hickory woods. Orchidaceae

14737. Dicranum condensatum Hedw. Dicranaceae
In dry rocky woods.

14738. Radula mollis Lindenb. et Gott. Radulaceae
On rock along stream.

14739. Solenostoma hyalinum (Lyell) Mitt.
On sandstone boulders along stream.

14740 Pylaisiella selwynii (Kindb.) Crum, Steere and Anderson
On log across stream.

14741 Anthoceros laevis ssp. carolinianus (L.) Schust.
on sandstone boulders along stream.

14742. Chiloscyphus profundus (Nees) Eng. & Schust.
On SS along stream.

14743.
Attached to rock or floating in stream.

November 5, 1997. PERU: Department of Loreto, District of Maynas. ExplorNapo to ACEER.

w/ Linnea Smith

14744. Riccardia
On log.

14745. Fulfordianthus pterobryoides (Spruce) Gradstein.
On log.

14746. Riccardia
On log.

14747.
On log.

14748.
On stump below bridge at NapoCamp. MOSS
w/ sporophytes

14749. Fulfordianthus pterobryoides (Spruce) Gradstein
On tree trunk along trail – Capinuri

14750.
On base of tree below bridge at ExplorNapo.

14751. Lejeunea minutiloba Evans

14751a Ceratolejeunea valida Evans
On base of tree below bridge at ExplorNapo.

14752. Lejeunea glaucescens G.
On base of tree below bridge at ExplorNapo.

14753.
On log below bridge at ExplorNapo.

14754. Odontolejeunea lunulata
Epiphyll.

14755.
Epiphyll. moss

14756.
On exposed soil in camp. moss

14757.

14758. Plagiochila
On trunk of Capinuri.

14759. Riccardia
On log below bridge at Napo.

14760.
On log below bridge at Napo. w/sporophytes moss

2
14761.
On log below bridge at Napo – w/ sporophytes. moss

November 6, 1997. PERU: Department of Loreto. District of Maynas. Explorama Lodge.
w/ Linnea Smith

3
14762. Plagiochila
On base of Capinuri about 50 meters from entrance to Lake trail.

November 8, 1997. PERU: Department of Loreto; District of Maynas. City of Iquitos. On Cocos nucifera.
w/ Linnea Smith.

2
14763. Octoblepharum

✓
14764. Lejeunea cf. cladogyna Evans

✓
14765.

2 ✓
14766. moss

✓
14767. moss w/ asexual structures

✓
14768. Lejeuneaceae

✓
14769.

December 25, 1997. Missouri: St. Clair County. Buzzard's Bluff. Ca. 1.9 Km north of MO Highway 54 and ca. 1.6 Km west of MO County Road V. S35, R26W, T37N. Lat. 37° 52'N, Long. 93° 40'W. Sandstone bluff above Sac River. w/ Dee Ann D'Amico.

34 ✓
14770. Calypogeia muelleriana (Schiffn.) K. Müell
On soil over sandstone at base of bluff, mixed with Odontoschisma prostrata

3 ✓
14771 Tetraphis pellucida Hedw. Tetraphidaceae
On vertical sandstone.

3 ✓
14772. Odontoschisma prostratum (Sw.) Trev.
On vertical sandstone.

4 ✓
14773 Hypnum curvifolium Hedw. Hypnaceae
on wet sandstone at base of bluff.

2 ✓
14774. Rhodobryum roseum (Hedw.) Limpr. Bryaceae
on thin soil over sandstone boulder; mixed w/ 14775

2 ✓
14775. Anomodon attenuatus (Hedw.) Hüb. Anomodontaceae
on thin soil over sandstone boulder mixed w/ 14774.

1 ✓
14776. Cephalozia lunulifolia (Dum.) Dum.
On soil over sandstone at base of bluff, mixed with other bryophytes.

3 ✓
14777. Reboulia hemisphaerica (L.) Raddi Aytoniaceae
on soil over sandstone at base of bluff.

Dec. 26, 1997. Missouri: Dade County. Ca. 2.0 Km west of Bona (MO County Road 245) off north side of MO County Road 215. Mud flat at margin of Stockton Lake - Arbell Creek. S32, R25W, T33N. Lat. 37°34'N, Long 93° 38'W. w/ Dee Ann D'Amico.

✓
14777a. Ricciocarpus natans (L.) Corda

December 26, 1997. Missouri: Dade County. Bona Glade. Ca. 1.6 km west of Bona (MO county Rd 245) off north side of MO County hiway 215 near southern arm of Stockton Lake – Arbell Creek. Sandstone outcrop. S32, R25W, T33N. Lat. 37° 34' N, Long. 93° 38' W. w/ Dee Ann D'Amico

5 14778. Scapania nemorosa (L.) Dum. Scapaniaceae
On wet sandstone of dripping runoff.

2 14779. Hedwigia ciliata (Hedw.) P. Beauv. Hedwigiaceae
On exposed sandstone in oak/hickory woods.

3 14780. Climacium americanum Brid. Climaciaceae
On wet sandstone of dripping runoff.

2 14781. Reboulia hemisphaerica (L.) Radd. Aytoniaceae
On thin soil over sandstone.

2 14782. Atrichum angustatum (Brid.) Bruch & Schimp in B.S.G.
On soil over sandstone in oak/hickory woods. with sporophytes.

2 14783 Ditrichum pallidum (Hedw.) Hampe Ditrichaceae
On soil in oak/hickory forest.

1 ✓
~~14784. Leucodon julaceus (Hedw.) Sull. Leucodontaceae~~
~~On sandstone in open area of glade.~~

1 ✓
14785. Calypogeia muelleriana (Schiffn.) K. Müell.
On sandstone ledge.

Jan. 14, 1998. Peru: Department of Loreto. Explorama Lodge.
District of Manaus.

3 ✓
14786. Lejeuneaceae
On Hibiscus sp. in camp area. To 5(6) nearly round to elongated and segmented oil bodies.

3 ✓
14787. Lejeuneaceae
On stilt roots of Socratea exorrhiza (Mart.) H. wendl.
1-2 basal ocelli; 3-4 nearly round to elongated, segmented oil bodies.

3 ✓
14788. Frullania riojaneirensis (Radd.) Spr. Jubulaceae
On branches of Calabash (Gresentia cujete L.)

3 ✓
14789 Rectolejeunea Lejeuneaceae
oil bodies - round, to slightly elongated, 10+/cell.
On trunk of palm.

3 ✓
14790. Ceratolejeunea

oil bodies numerous/cell, roundish; on trunk of Mauritia flexuosa L.f.

2 ✓
14791 Moss

On disturbed clay soil in camp area.

3 ✓
14792. Lejeuneaceae

oil bodies rounded; many/cell.

1 ✓
14793. Frullania riojaneirensis (Raddi.) Spr. Jubulaceae

On Hibiscus sp. in lodge area.

2 ✓
14794. Riccia fluitans L. Ricciaceae

on wet soil in lodge area.

2 ✓
14795 Lejeuneaceae

On log in lodge area. Lobules nearly reduced, oil bodies round to elongate-cresent shaped, each consisting of numerous oil bodies; 5-10/cell

2 ✓
14796. Lejeuneaceae

On shaded stump in lodge area; oil bodies 3-4(?)/cell, elongated and segmented.

2 ✓
14797. Ceratolejeunea Lejeuneaceae

On calabash (Crescentia cujete).

3✓
14798. Cheilolejeunea clausa (Nees & Mont.) Schust. Lejeuneaceae
On branches of Crescentia cujete (Calabash).

1✓
14799 Cyclolejeunea luteola (Spr.) Grolle Lejeuneaceae
On trunk of tree.

2✓
14800 Lejeuneaceae
on Crescentia cujete (calabash); oil bodies 5-8(?)/cell, round-segmented.

1✓
14801 Symbiezium transversale (Sw.) Trevis. Lejeuneaceae
On tree trunk in lodge area.

2✓
14802 Lejeuneaceae
On trunk of Mauritia flexuosa L.f.; oil bodies 1-5/cell, roundish to elongated (cresent-shaped) and segmented.

#3✓
14803. Lejeuneaceae
On trunk of African Tulip Tree; oil bodies numerous/cell, roundish.

3✓
14804 Leptolejeunea Lejeuneaceae
On ~~xeroid~~ growing on stilt roots of Socratea exorrhiza (Mart.) H. Wendl.

1✓
14805 Aphanolejeunea sicaefolia (Gott.) Evans Lejeuneaceae
Growing on Aneura pinguis (L.) Dumort. over liana in primary forest.

2 ✓ Aneuraceae
14806 Aneura pinguis (L.) Dumort. on large liana in primary forest along Bushmaster Trail.

2 ✓
14807. Moss
Growing over Aneura pinguis (L.) Dumort. over liana in primary forest.

2 ✓ Lejeuneaceae
14808 Ceratolejeunea
on stilt roots of Socratea exorrhiza (Mart.) H. Wendl.

2 ✓ Lejeuneaceae
14809 Lejeunea
on stilt roots of Socratea exorrhiza (Mart.) H. Wendl.

1 ✓ Lejeuneaceae
14810 Lejeunea flava (Sw.) Nees
on Hibiscus sp. in lodge area.

2 ✓
14811. Moss
On Ficus sp. in lodge area.

✓ Lejeuneaceae
14812.
Epiphyll on Piper sp. along Bushmaster Trail in primary forest.

3 ✓ Calymperaceae
14813
On tree trunk along Bushmaster Trail in primary, upland forest.

2 ✓
13814. Riccia — Ricciaceae
on thin soil over roots of Ficus sp. in lodge area.

2 ✓
14815. — moss
on potting soil (sandy soil) in potted plant in lodge area.

3 ✓
14816 — Lejeuneaceae
on trunk of Mauritia flexuosa L.f.; oil bodies to 6/cell somewhat cresent shaped to elongate and segmented.

1 ✓
14817 Anthoceros
mixed with Riccardia sp.; on clay soil.

3 ✓
14818 Riccardia
mixed with Anthoceros; on clay soil.

3 ✓
14819. Leptolejeunea elliptica (L. & L.) Schiffn.
On leaves of Aroid on stilt roots of Socratea exorrhiza; in camp proper.

3 ✓
14820 Riccia
3mm wide; 1-1.5 cm long; sulcus narrow; green

3 ✓
14821. Riccia
1-2mm wide; 1-5mm long; sulcus narrow – medium, green

3 ✓
14822. Riccia
1–1.5 (2) mm wide; to 5mm long; sulcus medium–broad, bluegreen.

March 26, 1998. Oklahoma: Le Flore Co., ca. 3.2 km south of Hiway 270/271 off Hiway 270S. T16N, R24E, S35, SE¼. Long. 94°41'00"W, Lat. 34°92'00"N. Oak/Hickory, rocky woods. – Lake Wister State Park w/ Linda, Caleb + Zach

3 ✓
14823. Ditrichum pallidum
on soil.

2 ✓
14824. Entodon seductrix
base of Quercus sp.

2 ✓
14825. Weissia controversa Hedw.
on soil.

2 ✓
14826. Reboulia hemisphaerica
on moist soil over sandstone.

21 ✓
14827. Weissia controversa Hedw.
on soil.

2
14828. Frullania inflata
On Quercus sp. trunk.

March 26, 1998. Oklahoma; Le Flore Co., Runestone State Park.
ca. 1.8 Km east of Hiway 59, east of Heavener.
T4N, R26E, S19, SE¼.
Lat. 35° 55'N; Long. 94° 33' W
Oak/Hickory, ravine – Sandstone.
w/ Linda, Caleb and Zach

3 ✓
14829. Porella pinnata
attached to rock in seepage area.

2 ✓
14830. Homomallium adnatum (Hedw.) Broth.
On soil over sandstone.

2 ✓
14831. Drummondia prorepens (Hedw.) E.G. Britt.
On trunk of Quercus sp. w/sporophytes

1 ✓
14832. Frullania asicoides
On trunk of Quercus sp.

3 ✓
14833. Porella pinnata
Attached to Quercus roots in seepage area.

2 ✓
14833a. Reboulia hemisphaerica
on soil over rock.

Latimer County

March 27, 1998. Oklahoma; Robbers Cave State Park.
Ca. 4.8 km west of Hiway 2. T6N, R19E, S13.
Along Lost Lake Trail. Lat. 35° 00' 20" N;
Long. 95° 07' 00" W. Oak/Hickory, rocky, woods.
Sandstone. w/ Linda, Caleb & Zach.
Rough Canyon Creek. El. ~ 1380 feet

3 ✓
14834. Scapania nemorosa
On soil over sandstone near Rough Canyon Creek.

3 ✓
14835 Calypogeia muelleriana (Schiffn.) K. Müll. subsp. muelleriana
on soil at base of Ostrya sp. in seepage.
w/ sporophytes

3 ✓
14836 Radula mollis Lindenb. & G.
on soil at margin of intermittent stream.

2
14837. Aulacomnium palustre (Hedw.) Schwaegr.
On soil near stream.

2 ✓
14838 Chiloscyphus profundus (Nees) Eng. & Schust.
on soil in crevice of boulders along stream.

2 ✓
14839. Leucobryum albidum (Brid.) Lindb.
On thin soil over boulders along stream.

4 ✓
14840. Pallavicinia lyellii (Hook.) Carruthers
on vertical sandstone boulders in moist, shaded areas. w/ sporophytes.

4 ✓
14841. Reboulia hemisphaerica
on vertical sandstone boulders in moist shaded to sunny areas. w/ sporophytes.

2 ✓
14843. Leucolejeunea clypeata
On vertical sandstone boulders in moist shaded areas.

March 28, 1998. Oklahoma: Delaware County; Natural Falls State Park. just south of hiway 59. T19N, R25E S32. Deep ravine. Lat. 36° 10'N, Long. 94°35'W
w/ Linda, Caleb & Zach

2 ✓
14844. Frullania brittoniae Evans
on tree trunk. "Male" branch globose.

1 ✓
14845. Conocephalum conicum
on thin soil over rock in stream.

3
14846. Frullania ericoides (Nees) Mont.
on tree trunk.

3
14847. Reboulia hemisphaerica
w/ sporophytes; on soil or rock.

3 ✓
14848 Porella pinnata L.
On wet vertical rock.

2 ✓
14849. Calypogeia muelleriana (Schiffn.) K. Muell.
on moist soil of rock crevice.

April 8, 1998. MO: Jasper County. On east side of Missouri Highway JJ and south of Center Creek, just south of bridge. T28N, R33W, S7, SW1/4. Lat. 37° 10' N, Long. 94° 38' W. Rocky, shaded woods and along creek. With Plant Taxonomy class.

2 ✓
14849A. Entodon seductrix (Hedw.) C. Müll. Entodontaceae
on decaying boot at base of bluff.

2 ✓
14850 Eurhynchium hians (Hedw.) Sande Lac. Brachytheciaceae
on soil at base of bluff.

2 ✓
14851 Hygroamblystegium tenax (Hedw.) Jenn. var. tenax
On soil over dead leaning tree. Amblystegiaceae

2 ✓
14852. Anomodon rostratus (Hedw.) Schimp. Anomodontaceae
On soil of north-facing slope.

2 ✓
14853. Frullania inflata Gott. Jubulaceae
on Ulmus sp. at base of bluff.

14854. Orthotrichum pumilum Sw. Orthotrichaceae
On Ulmus sp. at base of bluff.

14855. Amblystegium varium (Hedw.) Lindb. Amblystegiaceae
on Ulmus sp. at base of bluff.

14856. Asimina triloba Annonaceae
~~April 11, 1998. Mo: Barton County, Prairie State Park, ca. 5.5 km north of Mindenmines (north of Mo Highway 160).~~
Floodplain of Center Creek.

14857.
On soil of floodplain of center Creek.

14858. Sassafras
base of bluff.

14859. Ranunculus
On soil of south-facing slope of bluff.

April 11, 1998. Missouri: Barton County, Prairie State Park, ca. 5.5 km north of Mindenmines (highway 160).

14860. Brachythecium oxycladon (Brid.) Jaeg. & Sauerb.
On soil of picnic area. Brachytheciaceae

2 ✓
14861. Fontinalis — Seal to Redfearn
On soil at base of pin oak of picnic area.

2 ✓
14862. Scapania undulata (L.) Dumort.
On soil near middle Dry Creek in picnic area.

3 ✓
14863. Solenostoma gracillimum (Smith) Schust. Jungermanniaceae
On soil near Middle Dry Creek in Picnic area.

1 ✓
14864. Asterella tenella Beauv. Aytoniaceae
On wet soil of trail on north end of Tz:sho Natural Area.

34 ✓
14865. Leskea gracilescens Hedw. Leskeaceae
On Quercus palustris (pin oak) in picnic area.

1 ✓
14866. Orthotrichum pumilum Sw. Orthotrichaceae
On Quercus palustris (pin oak) in picnic area.

2
14867

2 ✓
14868. Hedyotis
On soil of trail at Tz:sho Natural Area.

2
14869.
On soil in picnic area.

2. ✓
14870. Fontinalis send some to Redfearn
Attached to rock in Middle Drywood Creek.

April 12, 1998. Missouri: Cass County. Harrisonville City Park.
T45N, R31W, S34. Lat. 38°40'N, Long. 94°23'W.

5 ✓
14871. Funaria flavicans Mx. Funariaceae
On exposed soil along road to golf course on north side of lake. w/ sporophytes.

April 14, 1998. Kansas: Crawford County. On rock wall off Catalpa Street. T30S, R25E, S19, SE¼.
Lat. 37° 26' N; Long. 94°43'W.

1 ✓
14872. Marchantia polymorpha L.

April 14, 1998. Kansas: Crawford County. Fifth Street and Grand Street. Disturbed ground base of brick building. T30S, R25E, S20.
Lat. 37°26'N, Long. 94°42'W.

2 ✓
14873. Bryum argenteum Hedw. Bryaceae
On soil near brick building.

2 ✓
14874. Physcomitrium pyriforme (Hedw.) Hampe Funariaceae
On disturbed soil near brick building - w/ sporophytes

April 22, 1998. Missouri: Barton County. Lester Davis Woods (Missouri Department of Conservation). Ca. 5 Km north of Mindenmines (Hiway 160).

✓
14875. Frullania inflata Gott. Jubulaceae
on Juniperus sp.

April 23, 1998. Missouri: Vernon County. Camp Clark National Guard Area; east-southeast of Nevada and east of Hiway K and 71. T 35N, R
Lat. 37° 50'N ; Long. 94° 18' W

2 ✓
14876. Lithospermum incisum Lehm. Boraginaceae
sand prairie. R31W, S12, SW 1/4.

2 ✓
14877. Acer saccharinum L. Aceraceae
Disturbed ground; R31W, S12, SW 1/4.

1 ✓
14878. Botrychium dissectum f. obliquum (Muhl.) Fernal
Roadside ditch at margin of woods, R31W, S12, SE 1/4.
Ophioglossaceae

13 ✓
14879. Viola sororia Willd. f. sororia Violaceae
Roadside, disturbed; R31W, S12, SE 1/4.

3 ✓
14880.
Drainage area near prairie; R31W, S12, SE 1/4.

83 ✓
14881. Viola rafinesquii Greene Violaceae
Disturbed ground near pistol range; R31W, S12, SW 1/4.

3 ✓
14882. Ranunculus fascicularis Muhl. ex Bigelow Ranunculaceae
Disturbed ground near pistol range; R31W, S12, SW 1/4.

2 ✓
14883. Pinus strobus L. Pinaceae
Disturbed ground near pistol range; R31W, S12, SW 1/4.
Growing as ornamental.

2 ✓
14884. Quercus palustris Muenchh. Fagaceae
Disturbed ground near pistol range; R31W, S12, SW 1/4.
Growing as ornamental.

2 ✓
14885. Bulbostylis capillaris
wet ditch near prairie; R31W, S12, SE 1/4.

2 ✓
14886. Draba brachycarpa Nutt. ex Torr. & A. Gray Brassicaceae
Disturbed ground at pistol range; R31W, S12, SW 1/4.

2 ✓
14887. Lepidium virginicum L. var. virginicum Brassicaceae.
Disturbed ground at pistol range; R31W, S12, SW'1/4.

2 ✓
14888. Hedyotis crassifolia Raf. Rubiaceae
Disturbed ground at pistol range; R31W, S12, SW'1/4.

2 ✓
14889. Lepidium virginicum L. Brassicaceae
Disturbed ground at pistol range; R31W, S12, SW'1/4.

3 ✓
14890.
Wet ditch near prairie; R31W, S12, SE'1/4.

3 ✓
14891. Poaceae
Roadside; R31W, S12, SE'1/4.

2 ✓
14892. Castilleja coccinea (L.) Spreng. f. coccinea Scrophulariaceae
Prairie; R31W, S12, SE'1/4.

3 ✓
14893. Prunus virginiana Mill. Rosaceae
Margin of prairie; R31W, S12, SE'1/4.

2 ✓
14894. Lithospermum canescens (Michx.) Lehm. Boraginaceae
Prairie; R31W, S12, SE'1/4. f. canescens

2 ✓
14895. Barbarea vulgaris R. Br. var. vulgaris Brassicaceae
Prairie; R31W, S12, SE'1/4.

1 2 ✓
14896. Pedicularis canadensis L. f. canadensis Scrophulariaceae
Prairie; R31W, S12, SE'/4.

2 ✓
14897. Fragaria virginiana Duchesne Rosaceae
Prairie; R31W, S12, SE'/4.

a1 ✓
14898. Viola rafinesquii Greene Violaceae
2 ✓ Roadside at margin of woods; R31W, S12, SE'/4.
1 14898a. Viola sororia Willd. f. sororia Violaceae
14899. Sisyrinchium campestre E. Bickn. Iridaceae
Prairie; R31W, S12, SE'/4.

1 ✓
14900. Viola sagittata Aiton Violaceae
Prairie; R31W, S12, SE'/4.

2 ✓
14901. Buglossoides arvense (L.) I.M. Johnst. Boraginaceae
Disturbed ground at pistol range; R31W, S12, SW'/4.

2 ✓
14902. Capsella bursa-pastoris (L.) Medik. Brassicaceae
Disturbed ground at pistol range; R31W, S12, SW'/4.

3 ✓
14903. Sibara virginica (L.) Rollins Brassicaceae
Disturbed ground at pistol range; R31W, S12, SW'/4.

2 ✓
14904. Cerastium glomeratum Thuill. Caryophyllaceae
Disturbed ground at pistol range; R31W, S12, SW'/4.

2 ✓
14905. Rumex altissimus A.W. Wood Polygonaceae
Intermittent stream margin; R31W, S13, NW'/4.

1 ✓
14906. Galium obtusum Bigelow ssp. obtusum Rubiaceae
On thin soil over surfacing sandstone; R30W, S18, NW'/4.

2 ✓
14907. Podophyllum peltatum L. f. peltatum Berberidaceae
Open woods; R31W, S12, SE'/4.

3 ✓
14908. Antennaria parlinii Fernal ssp. parlinii Asteraceae
Dry rocky oak/hickory woods; R31W, S13, NE'/4.

2 ✓
14909. Phlox pilosa ssp. fulgida (Wherry) Wherry Polemoniaceae
Margin of woods; R31W, S13, NE'/4.

4 ✓
14910. Betula nigra L. Betulaceae
Margin of woods; R30W, S18, SE'/4.

✓
14911. Chaerophyllum procumbens (L.) Crantz var. procumbens
Along stream in woods; R31W, S13, NE'/4. Apiaceae

1 ✓
14912. Geum vernum Rosaceae
Margin of stream in open; R31W, S13, NE'/4.

3 ✓
14913.
Wet area at edge of prairie; R31W, S12, SE'/4.

1 3 ✓
14914.
Around building on island at lake; R31W, S13, NE'1/4.

3 ✓
14915 Ranunculus arbortivus L. var. arbortivus Ranunculaceae
Around building on island at lake; R31W, S13, NE'1/4.

2 ✓
14916. Valerianella radiata (L.) Dufr. f. radiata Valerinaceae
On thin soil over sandstone; R30W, S18, NW'1/4.

2 ✓
14917. Poaceae
On thin soil over sandstone; R30W, S18, NW'1/4.

1 ✓
14918. Chaerophyllum tainturieri Hook. Apiaceae
On thin soil over sandstone; R30W, S18, NW'1/4.

2 ✓
14919. Valerianella Valerinaceae
On thin soil over sandstone; R30W, S18, NW'1/4.

2 ✓
14920. Krigia occidentalis Nutt. Asteraceae
On thin soil over sandstone; R30W, S18, NW'1/4.

2 ✓
14921. Collinsia violacea Nutt. f. violacea Scrophulariaceae
On thin soil over sandstone; R30W, S18, NW'1/4.

1 ✓
14922. Lepidium virginicum L. Brassicaceae
On thin soil over sandstone; R30W, S18, NW'1/4.

2 ✓
14923. Veronica peregrina L. var. peregrina — Scrophulariaceae
On thin soil over sandstone; R30W, S18, NW'1/4.

2 ✓
14924. Veronica arvensis L. — Scrophulariaceae
On thin soil over sandstone; R30W, S18, NW'1/4

1 ✓
14925. Plantago virginica L. — Plantaginaceae
On thin soil over sandstone; R30W, S18, NW'1/4.

2 ✓
14926 Myosotis verna Nutt. var. verna — Boraginaceae
On thin soil over sandstone; R30W, S18, NW'1/4.

2 ✓
14927. — Poaceae
Margin of woods along road. R30W, S18, NW'1/4.

April 25, 1998. KS: Cowley County. Cowley County State Fishing lake. Ca. 22.5 km east of junction 77/166 on south side of highway 166. T34S, R6E, S8, SW'1/4. Lat. 37°9'N, long. 96°56'W. Rocky prairie.

2 ✓
14928. Nemastylis geminiflora Nutt. — Iridaceae
Widespread over rocky areas (recently burned).

2 ✓
14929. Draba cuneifolia Nutt. ex Torr. & A. Gray — Brassicaceae
Roadside. var. cuneifolia

2 ✓
14930. Lomatium foeniculaceum (Nutt.) J.M. Coult. & Rose Apiaceae
Widespread in rocky areas (recently burned).

✓
14931. Erigeron philadelphicus L. var. philadelphicus Asteraceae
Moist depression along roadside.

3 ✓
14932 Rhus aromatica var. serotina (Greene) Rehder Anacardiaceae
Scattered and clumped throughout Lake area.

34 ✓
14933. Populus deltoides W. Bartram ex Marshall ssp. deltoides
Near lake
Salicaceae

3 ✓
14934. Platanus occidentalis L. Plantanaceae
Near lake ca. ~~100~~ 50 meters from dock; base of slope.

3 ✓
14935. Ribes odoratum H.L. Wendl. Grossulariaceae
Edge of lake on southwest side.

✓
14936. Arenaria serpyllifolia L. ssp. serpyllifolia Caryophyllaceae
On rocky ground around north side of lake (recently burned).

*
April 23, 1998. See page 35. Continuation (bryophytes) of Camp Clark. T35N. Following 14927 -> 14937

2 ✓
14937. Funaria hygrometrica Hedw. Funariaceae
On sandy soil at pistol range. R31W, S12, SW'/4.

2 ✓
14938.
On sandy soil at pistol range. R31W, S12, SW'/4.

3 ✓
14939.
Near stream at margin; R31W, S13, NE'/4.

2 ✓
14940. Plagiomnium cuspidatum (Hedw.) T. Kop. Mniaceae
At margin of stream on rock. R31W, S13, NE'/4.

3 ✓
14941
On soil along roadside near prairie; R31W, S12, SW'/4.

3 ✓
14942. Pohlia wahlenbergii (Web. & Mohr) Andrews Bryaceae
On soil at margin of stream. R31W, S13, NE'/4.

2 ✓
14942a.

2 ✓
14943. Scapania undulata (L.) Dumort. Scapaniaceae
On soil near building at pistol range. R31W, S12, SW'/4.

1 ✓
14943a.
On roadcut at margin of oak/hickory woods; R31W, S13, NE'/4.

3 ✓
14944. Bryum pseudotriquetrum (Hedw.) Gaertn. et al. Bryaceae
Wet drainage area near prairie; R31W, S12, SW'/4.

2 ✓
14945. Scapania nemorosa Scapaniaceae
On roadcut at margin of oak/hickory woods near stream.
R31W, S13, NE'/4.

2 ✓
14946. Campylium chrysophyllum (Brid.) J. Lange Amblystegiaceae
On sandy soil at pistol range; R31W, S12, SW'/4.

3 ✓
14947. Amblystegium varium (Hedw.) Lindb. Amblystegiaceae
On sandy soil at pistol range; R31W, S12, SW'/4.

April 28, 1998. Missouri: Barton County. Prairie State Park.

3 ✓
14948. Amblystegium varium (Hedw.) Lindb. Amblystegiaceae
Along roadside ditch near Regal Prairie Natural Area.

3 ✓
14949. Bryum pseudotriquetrum (Hedw.) Gaertn. et al. Bryaceae
In wet ditch at small prairie unit.

April 11, 1998: Missouri: Vernon Co; Camp Clark National Guard Facility, southeast of Nevada and east of Missouri hiways 71 and K. T35N

with Caleb Timme.

3 ✓
14950. Astragalus crassicarpus var. trichocalyx (Nutt.) Barneby — Fabaceae
roadside prairie. R31W, S12, SW'1/4.

3 ✓
14951. Potentilla simplex Michx. — Rosaceae
roadside prairie; R31W, S12, SW'1/4.

3 ✓
14952. Dodecatheon meadia L. var. meadia f. album Macbr. — Primulaceae
roadside prairie; R31W, S12, SW'1/4.

3 ✓
14953
wet ditch; R31W, S12, SW'1/4.

2 ✓
14954 Galium obtusum Bigelow ssp. obtusum — Rubiaceae
wet drainage area near road; R31W, S12, SW'1/4.

3 ✓
14955.
wet ditch at margin of prairie; R31W, S12, SW'1/4.

3 ✓
14956. — Poaceae
moist roadside prairie; R31W, S12, SW'1/4.

2 ✓
14957 Hypoxis hirsuta (L.) Coville — Liliaceae
roadside prairie; R31W, S12, SW'1/4.

2 ✓
14958. Lithospermum canescens (Michx.) Lehm. f. — Boraginaceae
roadside prairie; R31W, S12, SW'1/4. Canescens

2 ✓
14959. Prunus americana Marshall — Rosaceae
Edge of prairie; R31W, S12, SW'1/4.

3 ✓
14960. Camassia scilloides (Raf.) Cory — Liliaceae
roadside prairie; R31W, S12, SW'1/4.

#4 ✓
14961 Robinia pseudo-acacia L.
edge of prairie; R31W, S12, SW'1/4.

3 ✓
14962 Pinus virginiana Mill. — Pinaceae
small mowed field; R31W, S13, NW'1/4.

3 ✓
14963. Quercus marilandica Münchh. — Fagaceae
woods; R30W, S18, NW'1/4.

3 ✓
14964. Oxalis violacea L. — Oxalidaceae
roadside; R31W, S13, NE'1/4.

3
14965. Gleditsia triacanthos L. f. triacanthos
Roadside; R30W; S7, SE'1/4. — Caesalpiniaceae

1 ✓
14966. Iris pallida Lam. Iridaceae
roadside, R30W, S7, SE'1/4 - ornamental

3 ✓
14967 Phlox divaricata ssp. laphamii (A.W. Wood) Wherry Polemoniaceae
roadside ditch and margin of woods on west side of Condon Road; R30W, S18, SE'1/4.

3 ✓
14968. Glandularia canadensis (L.) Nutt. Verbenaceae
roadside, R30W, S7, SE'1/4.

3 ✓
14969.
roadside, R30W, S7, SE'1/4.

3 ✓
14970. Sisyrinchium campestre E. Bickn. Iridaceae
prairie-like area on south side of Johnson Road, R31W, S13, NE'1/4.

2 ✓
14971. Senecio plattensis Nutt. Asteraceae
roadside; R30W, S18, SE'1/4.

✓
14972. Platanus occidentalis L. Platanaceae
roadside; R30W, S18, SE'1/4.

34 ✓
14973.
wet ditch; R31W, S12, SW'1/4.

3 ✓
14974. Trifolium campestre Schreb. var. campestre Fabaceae
roadside; R30W, S7, SW'/4

2 ✓
14975. Asteraceae
On thin soil over surfacing sandstone; R30W, S18, NW'/4.

3 ✓ 14975a. Arenaria serpyllifolia L. ssp. serpyllifolia Caryophyllaceae
14976.
Wet depression of surfacing sandstone; R30W, S18, NW'/4.

3 ✓
14977. Poaceae
On thin soil over surfacing sandstone; R30W, S18, NW'/4.

3 ✓
14978
Wet depression of surfacing sandstone; R30W, S18, NW'/4.

2 ✓
14979. Valerianella radiata (L.) Dufr. f. radiata Valerianaceae
On thin soil over surfacing sandstone; R30W, S18, NW'/4.

2 ✓
14980 Plantago virginica L. Plantaginaceae
On thin soil over surfacing sandstone; R30W, S18, NW'/4.

3 ✓
14981. Rosa multiflora Thunb. Rosaceae
In recently burned woods; R30W, S18, NW'/4.

3 ✓
14982. Oxalis stricta L. Oxalidaceae
on soil of surfacing sandstone; R30W, S18, NW'/4.

2 ✓
14983. Veronica peregrina L. var. peregrina Scrophulariaceae
On soil of surfacing sandstone; R30W, S18, NW'/4.

2 ✓
14984. Lepidium virginicum L. Brassicaceae
On soil of surfacing sandstone; R30W, S18, NW'/4

1 ✓
14985. Collinsia violacea Nutt. f. violacea. Scrophulariaceae
On soil of surfacing sandstone; R30W, S18, NW'/4.

3 ✓
14986 Rubus Rosaceae
In low oak/hickory woods; R30W, S18, NW'/4.

3 ✓
14987.
In low oak/hickory woods along stream margin; R30W, S18, NW'/4.

3 ✓
14988. Crataegus cf. palmeri Sarg. Rosaceae
low oak/hickory woods; R30W, S18, NW'/4.

3 ✓
14989. Carya texana Buckley f. texana Juglandaceae
Upland oak/hickory woods; R30W, S18, NW'/4.

3 ✓
14990 Prunus serotina Ehrh. Rosaceae
Upland oak/hickory woods; R30W, S18, NW'/4.

3 ✓
14991. Ribes missouriense Nutt. ex Torr. & A. Gray
Low oak/hickory woods; R30W, S18, NW'/4.
Grossulariaceae

2 ✓
14992. Viola palmata L. Violaceae
low oak/hickory woods along stream; R30W, S18, NW'/4.

2 ✓
14993. Potentilla simplex Michx. Rosaceae
Low oak/hickory woods; R30W, S18, NW'/4.

2 ✓
14994. Quercus marilandica Münchh. Fagaceae
Upland oak/hickory woods; R30W, S18, NW'/4.

2 ✓
14995. Carya texana Buckley f. texana Juglandaceae
Upland oak/hickory woods; R30W, S18, NW'/4.

2 ✓
14996
Upland oak/hickory woods; R30W, S18, NW'/4.

✓
14997. Reboulia hemisphaerica (L.) Radd. Aytoniaceae
On soil of surfacing sandstone; R30W, S18, NW'/4.

2 ✓
14998. Plagiomnium ciliare (C. Müll.) T. Kop. Mniaceae
Swampy woods; R30W, S7, SW'/4.

2 ✓
14999. Amblystegium varium (Hedw.) Lindb. Amblystegiaceae
Swamp woods; R30W, S7, SW'/4. w/sporophytes

2 ✓
15000 Physcomitrium pyriforme (Hedw.) Hampe Funariaceae
On thin soil over surfacing sandstone; R31W, S12, SW'/4.

May 9, 1998 Kansas; Cowley County. State: Fishing Lake.

w/Caleb + Zach Timme

2 ✓
15001. to Redfearn

2 ✓
15001a. On exposed soil.

May 10, 1998. Kansas: Barber County. Gyp Hills southwest/west of Medicine Lodge. T32N, R21W, S36. Prairie. Ca. 8.0 km south of 160 on west side of FAS 31.

w/Caleb Timme

3 ✓
15002. Ulmus americana L. — Ulmaceae

3 ✓
15003 Plantago virginica L. — Plantaginaceae

1 ✓
15004. Verbena bipinnatifida Nutt. — Verbenaceae

2 ✓
15005 Linum rigidum Pursh var. rigidum — Linaceae

3 ✓
15006. Leucelene ericoides (Torr.) Greene — Asteraceae

2 ✓
15007 Sophora nuttalliana B.L. Turner — Fabaceae

1 ✓
15008. Calylophus lavandulifolius (T. & G.) Raven — Onagraceae

21 ✓
15009. Lappula redowskii (Hornem.) Greene — Boraginaceae

2 ✓
15009a. Cryptantha minima Rydb.

2 ✓
15010 Ammoselinum popei T. & G. — Apiaceae

2 ✓
15011 Senecio plattensis Nutt. — Asteraceae

1 ✓
15012 Allium canadense var. fraseri M. Ownbey — Liliaceae

1 ✓
15013 Hymenoxys scaposa (DC.) Parker — Asteraceae

1 ✓
15014. Pyrrhopappus grandiflorus (Nutt.) Nutt. — Asteraceae

1 ✓
15013a Lithospermum canescens (Michx.) Lehm. — Boraginaceae

1 ✓
15014b. Penstemon buckleyi Penn. — Scrophulariaceae

1 ✓
15015. Tradescantia occidentalis (Britt.) Smyth — Commelinaceae

1 ✓
15016. Dalea enneandra Nutt. — Fabaceae

2 ✓
15017. Lesquerella gordonii (A. Gray) S. Wats. — Brassicaceae

2 ✓
15018. Astragalus missouriensis Nutt. — Fabaceae

3 ✓
15019 Allium drummondii Regel — Liliaceae

21 ✓
15020 Juniperus virginiana L. — Cupressaceae

15021. Robinia pseudo-acacia L.

15022. Tortula ruralis (Hedw.) Gaertn. et al. Pottiaceae
on soil – exposed.

15023a.

May 10, 1998. Kansas: Barber County. Gypsum outcrop. T31N, R15W, S10. Ca. 3.5 south of Sun City on west side of FAS 1346.
w/ Caleb. Timme

15023. Weissia cf. controversa Hedw. Pottiaceae
On surfacing gypsum.

15023a. Plantago aristata

15024. to Redfearn
base of vertical bluff on wet gypsum.

15025. Bryum to Redfearn
On exposed gypsum.

15026. Reboulia hemisphaerica (L.) Radd. Aytoniaceae
on exposed gypsum.

May 11, 1998. Kansas: Crawford County – 609 Normal, Pittsburg.
On Ulmus. T30S, R25E, S32.

15027. Orthotrichum pusillum Mitt. Orthotrichaceae

May 11, 1998. Kansas: Crawford County. ca. 2.0 km north of Highway 160, on east side of road. T29N, R25E, S.28.

3
15028. Erysimum asperum (Nutt.) DC. Brassicaceae

May 14, 1998: Missouri: Vernon County. Camp Clark National Guard Facility, southeast of Nevada and just east of highway 71 and County Road K. T35N

5 /
15029. Lonicera sempervirens L. var. sempervirens Caprifoliaceae
Climbing over trees; R30W, SW'1/4, S7

3 /
15030. Quercus pagoda Raf. Fagaceae
Oak/Hickory dry woods; R30W, SW'1/4, S7

3 /
15031. Quercus prinoides Willd. Fagaceae
Oak/Hickory dry woods; R30W, SW'1/4, S7

2 /
15032 Arisaema triphyllum (L.) Schott ssp. triphyllum Araceae
R30W, SE'1/4; Low woods, S18

3 /
15033. Arisaema dracontium (L.) Schott Araceae
Low woods; R30W, SE'1/4, S18

3 ✓
15034. Corylus americana Walter
Low woods; R30W, SE'/4, S18

4 ✓
15035 Asplenium platyneuron (L.) Britton var. platyneuron Aspleniaceae
steep bank of intermittent stream; R30W, SE'/4. S18

2. ✓
15036 Chaerophyllum tainturieri Hook. var. tainturieri Apiaceae
Low woods; R30W, SE'/4, S18

3 ✓
15037. Quercus macrocarpa Michaux Fagaceae
Oak/Hickory Woods; R30W, S7, SE'/4

3 ✓
15038. Quercus marilandica Muenchh. Fagaceae
Oak/Hickory wood; R30W, S7, SE'/4.

3 ✓
15039. Carya cordiformis f. latifolia (Sarg.) Steyerm.
Oak/Hickory woods; R30W, S7, SE'/4. Juglandaceae

3 ✓
15040. Ulmus americana L. Ulmaceae
Margin of woods; R30W, S7, SE'/4.

3 ✓
15041. Smilax hispida Muhl. ex. Torr. Smilacaceae
Climbing over Walnut along stream margin; R30W, S18, NW'/4

15044a Carex hirsutella

3
15042 Rosa sp. cultivar Rosaceae
Roadside ditch; R30W, S7, SE'/4.

3 ✓
15043. Trifolium dubium Sibth. Fabaceae
Roadside ditch; R30W, S7, SW¼.

2 ✓
15044. Chrysanthemum leucanthemum = *Leucanthemum vulgare var. pinnatifidum (Lecoq & Lamotte) Mold. Asteraceae
Roadside prairie; R30W, S7, SW¼.

3 ✓
15045. Penstemon digitalis Nutt. ex Sims f. digitalis Scrophulariaceae
Prairie; R30W, S7, SW¼.

3 ✓
15046. Galium obtusum Bigelow ssp. obtusum Rubiaceae
R31W, S12, SW¼.

1 ✓
15047. Astragalus crassicarpus var. trichocalyx (Nutt.) Barneby Fabaceae
Rocky prairie; R30W, S12, SW¼.

3 ✓
15048. Maclura pomifera (Raf.) C. Schneider Moraceae
Roadside; R31W, S12, SW¼.

3 ✓
15049. Myosotis verna var. macrosperma (Engelm.) Chapman Boraginaceae
Rocky prairie; R31W, S12, SW¼.

3 ✓
15050. Krigia dandelion (L.) Nutt. Asteraceae
Rocky prairie; R31W, S12, SW¼.

✓
15051. Rosa multiflora Thunb. ex Murray Rosaceae
Low woods; R30W, S18, SE¼.

2 ✓
15052. Vitis riparia Michx. var. riparia — Vitaceae
Growing over Cornus sp. along intermittent stream; R31W, S12, SW¼.

3 ✓
15053. — Poaceae
Disturbed roadside; R31W, S12, SW¼.

4 ✓
15054. Diospyros virginiana var. pubescens f. pumila (E.J. Palmer ex Steyerm.) Steyerm. — Ebenaceae
Understory in woods; R31W, S12, SW¼.

3 ✓
15055 — Poaceae
Disturbed prairie and field; R31W, S12, SW¼.

3 ✓
15056. Oenothera laciniata Hill — Onagraceae
Disturbed roadside; R31W, S12, SW¼.

3 ✓
15057. Oxalis florida Salisb. ssp. florida — Oxalidaceae
Disturbed prairie; R31W, S12, SW¼.

3 ✓
15058. Polytaenia nuttallii DC. — Apiaceae
Prairie; R31W, S12, SW¼.

✓
15059. Rumex acetosella L. — Polygonaceae
Wet prairie; R31W, S12, SW¼.

✓
15060. Plantago virginica L. — Plantaginaceae
Disturbed roadside; R31W, S12, SW¼.

2 ✓
15061. Lepidium virginicum L. var. virginicum — Brassicaceae
Disturbed roadside; R31W, S12, SW'/4.

3 ✓
15062. Tradescantia ohiensis Raf. — Commelinaceae
Prairie; R31W, S12, SW'/4.

3 ✓
15063. Geranium carolinianum L. — Geraniaceae
Disturbed roadside, R31W, S12, SW'/4.

3 ✓
15064. Plantago lanceolata L. — Plantaginaceae
Disturbed roadside; R31W, S12, SW'/4.

2 ✓
15065. Rumex altissimus Alph. — Polygonaceae
Margin of small lake; R31W, S13, NE'/4.

1 ✓
15066. Lobelia spicata Lam. var. spicata — Campanulaceae
Prairie; R31W, S12, SW'/4.

✓
15067. Rubus ostryifolius Rydb. — Rosaceae
Margin of woods and prairie; R31W, S12, SW'/4.

3 ✓
15068. Quercus pagoda Raf. — Fagaceae
Oak/Hickory woods; R30W, S7, SW'/4.

3 ✓
15069. ~~Cystopteris protusa (Weath.) Blasdell~~ Woodsia obtusa ssp. obtusa
Intermittent stream bank of low woods; R30W, S7, NW'/4.
Dryopteridaceae

2 ✓
15070. Asclepias viridis Walter — Asclepidaceae
Prairie/Field; R30W, S7, SW'1/4.

3 ✓
15071. Galium obtusum Bigelow ssp. obtusum — Rubiaceae
Over surfacing sandstone; R30W, S18, SE'1/4.

3 ✓
15072. Arenaria serpyllifolia L. ssp. serpyllifolia — Caryophyllaceae
Roadside; R30W, S18, SE'1/4.

3 ✓
15073. Oenothera linifolia Nutt. — Onagraceae
Thin soil over surfacing sandstone; R30W, S18, SE'1/4.

1 ✓
15074.
Roadside ditch; R30W, S18, SE'1/4.

1 ✓
15075. Achillea millefolium var. lanulosa (Nutt.) Piper ex Piper & Beattie — Asteraceae
Thin soil over surfacing sandstone; R30W, S18, SE'1/4.

3 ✓
15076.
Wet despressions of surfacing sandstone; R30W, S18, SE'1/4.

3 ✓
15077 — Poaceae
Thin soil over surfacing sandstone; R30W, S18, SE'1/4.

3 ✓
15078. — Poaceae
Thin soil over surfacing Sandstone; R30W, S18, SE'1/4.

3 ✓
15079. Poaceae
Thin soil over surfacing sandstone; R30W, S18, SE'/4.

2 ✓
15080. Veronica arvensis L. Scrophulariaceae
Thin soil over surfacing sandstone; R30W, S18, SE'/4.

3 ✓
15081. Rubus ostryifolius Rydb. Rosaceae
Roadside ditch; R30W, S18, NW'/4.

2 ✓
15082. Robinia pseudo-acacia L. Fabaceae
Margin of Oak/Hickory woods; R30W, S7, SE'/4.

3 ✓
15083.
Wet depression of surfacing sandstone; R30W, S18, SE'/4.

2 ✓
~~555~~ 15084.
Wet depression of surfacing sandstone; R30W, S18, SE'/4.

4 ✓
15085.
Wet area of ditch; R30W, S18, NW'/4.

3. ✓
15086
Wet area of ditch; R30W, S18, NW'/4.

✓
15087.
Low woods; R30W, S7, SW'/4.

4 ✓
15088.
Wet ditch; R31W, S12, SW 1/4.

4 ✓
15089.
Wet areas in woods and ditch; R30W, S18, SE 1/4.

3 ✓
15090
Wet depression of surfacing sandstone; R30W, S18, SE 1/4.

3 ✓
15091
Wet drainage area at margin of woods; R30W, S18, SE 1/4.

2 ✓
15092.
Wet depression of surfacing sandstone; R30W, S18, SE 1/4.

4 ✓
15093
Wet ditch and drainage area of prairie; R31W, S12, SW 1/4.

3 ✓
15094.
Along intermittent stream in woods; R31W, S18, NW 1/4.

2 ✓
15095.
Wet ditch; R31W, S12, SW 1/4.

3 ✓
15096.
Wet ditch; R31W, S12, SW 1/4.

3 ✓
15097
Disturbed ground in oak/hickory woods; R30W, S7, SE'1/4.

3 ✓
15098.
Wet area at margin of woods; R30W, S18, NW'1/4.

3 ✓
15099.
Wet area at margin of woods and prairie; R31W, S12, SW'1/4.

2 ✓
15100 Bryoandersonia illecebra (Hedw.) Robins. Brachytheciaceae
Wet ditch; R31W, S12, SW'1/4.

2 ✓
15101 to Redfearn
Wet ditch; R31W, S12, SW'1/4.

2 ✓
15102 Fossombronia brasiliensis var. brasiliensis Steph. Fossombroniaceae
On sandy soil of prairie; R30W, S7, SW'1/4.

2 ✓
15102a. to Redfearn

2 ✓
15103. Asterella tenella (L.) P. Beauv. Aytoniaceae
On sandy soil of prairie; R30W, S7, SW'1/4.

2 ✓
15104. Bryum pseudotriquetrum (Hedw.) Gaertn. Bryaceae
Wet ditch; R31W, S12, SW'1/4.

3 ✓
15105. Cratoneuron - to Redfearn
Wet ditch; R31W, S12, SW'1/4.

2 ✓
15106. Hygroamblystegium tenax (Hedw.) Jenn. var. tenax Amblystegiaceae
On wet rock in stream; R30W, S7, NW'1/4.

✓
15107. Bryum cf gemmiparum to Redfearn
On sandy soil near building in oak/hickory; dry woods;
R30W, S7, SW'1/4.

May 15, 1998. Kansas: Crawford County; along East Cow Creek
ca. 1Km east of Centennial/Rouse. Climbing over trees.
T30S R25E S33.

3 ✓
15108. Wisteria frutescens (L.) Poiret Fabaceae

May 21, 1998. Missouri: Vernon County. Camp Clark National
Guard facility southeast of Nevada and just east of
Hiway 71 and County Road K. T35N.

3 ✓
15109 Juncus tenuis var. tenuis
Wet depression of sandstone outcrop; S18, R30W, SE'1/4.

2 ✓
15110. Penstemon digitalis Nutt. ex Sims f. digitalis Scrophulariaceae
Margin of prairie and oak/hickory woods; R30W, S7, SE'1/4

3 ✓
15111.
Wet ditch; R31W, S12, SW'1/4.

3 ✓
15112. Bromus pubescens — Poaceae
Oak/Hickory woods; R30W, S18, SE'1/4.

4 ✓
15113. Zizia aurea (L.) Koch — Apiaceae
Margin of stream; R31W; S13, NE'1/4.

4 ✓
15114. Carya cordiformis f. latifolia (Sarg.) Steyerm. — Juglandaceae
Margin of Oak/Hickory woods near stream; R31W, S13, NE'1/4.

4 ✓
15115. Corylus americana Walter — Betulaceae
Margin of stream; R31W, S13, NE'1/4.

3 ✓
15116. Carex shortiana
Low moist area; R30W, S18, NW'1/4.

3 ✓
15117 Scirpus pendulus
Low moist area; R30W, S18, NW'1/4.

2 ✓
15118 Cercis canadensis f. glabrifolia Fern. — Caesalpiniaceae
Margin of low woods; R30W, S18, NW'1/4.

3. ✓
15119 Osmorhiza longistylis (Torrey) DC. — Apiaceae
Margin of intermittent stream in dense low woods;
R30W, S18, SE'1/4.

2 ✓
15120. Chasmanthium latifolium — Poaceae
Low woods; R30W, S18, SE'/4.

3 ✓
15121. Sphenopholis obtusata var. obtusata
On steep bank of intermittent stream in low woods; R30W, S18, SE'/4.

2 ✓
15122. Catalpa speciosa Warder ex Engelm. — Bignoniaceae
North fenceline; R31W, S12, SW'/4.

3 ✓
15123 Morus alba L. — Moraceae
Margin of low woods; R30W, S18, NW'/4.

3 ✓
15124. Juglans nigra L. nigra — Juglandaceae
Along intermittent stream; R30W, S18, NW'/4.

4 ✓
15125 Menispermum canadense L. — Menispermaceae
Climbing over small trees along intermittent stream, R30W, S18, NW'/4.

3 ✓
15126. Ulmus americana L. — Ulmaceae
Margin of low woods; R30W, S18, NW'/4.

4 ✓
15127 Celtis occidentalis var. pumila (Pursh) A. Gray — Ulmaceae
In open field near road; R30W, S18, NW'/4.

4 ✓
15128. Quercus velutina f. missouriensis (Sarg.) Trel. — Fagaceae
Margin of woods along road; R30W, S18, NW'/4

3 ✓
15129. Quercus palustris Muenchh. Fagaceae
Margin of low woods along roadside; R30W, S18, NW1/4.

4 ✓
15130. Cornus amomum ssp. obliqua (Raf.) J. Wilson Cornaceae
North fenceline; R31W, S12, SW1/4.

4 ✓
15131. Glyceria striata var. striata Poaceae
In dry oak/hickory woods; R30W, S18, SE1/4.

4 ✓
15132. Salix nigra Marsh. Salicaceae
Wet draw in prairie at roadside edge; R31W, S12, SE1/4.

3 ✓
15133. Scutellaria australis (Fassett) Epling Lamiaceae
Prairie; R31W, S12, SW1/4.

3 ✓
15134. Erigeron strigosus Muhlenb. ex Willd. var. strigosus Asteraceae
Prairie; R31W, S12, SW1/4.

1 ✓
15135. Castilleja coccinea f. lutescens Farw. Scrophulariaceae
Prairie, R31W, S12, SW1/4.

✓
15136. Castilleja coccinea f. coccinea (L.) Sprengel Scrophulariaceae
Prairie, R31W, S12, SW1/4.

4 ✓
15137. Poa sylvestris Poaceae
Prairie; R31W, S12, SW1/4

4 ✓
15138. Agrostis hyemalis var. hyemalis
Along roadside - disturbed; R31W, S12, SE'/4.

4 ✓
15139. Carex hirsutella
Prairie; R31W, S12, SW'/4.

2 ✓
15140. Allium canadense L. var. canadense Liliaceae
Roadside prairie ditch; R31W, S12, SW'/4.

4 ✓
15141. Juncus scirpoides var. scirpoides
Roadside ditch and prairie wet depression; R31W, S12, SW'/4.

3 ✓
15142. Lobelia spicata var. spicata Lam. Campanulaceae
Prairie; R31W, S12, SW'/4.

3 ✓
15143. Rosa arkansana var. suffulata (E. Greene) Cockerell Rosaceae
Prairie; R31W, S12, SW'/4.

2 ✓
15144. Aulacomnium heterostichum (Hedw.) BSG Aulacomniaceae
On steep bank of intermittent stream; R30W, S18, SE'/4.
w/ sporophytes

2 ✓
15145. Reboulia hemisphaerica (L.) Radd: Aytoniaceae
On steep bank of intermittent stream, R30W, S18, SE'/4; w/ sporophytes

2 ✓
15146. Bryum pseudotriquetrum (Hedw.) Gaertn., Meyer & Schreb.
Open prairie near moist depression, R31W, S12; SW'/4
Mixed w/ Atrichum angustatum. Bryaceae

2 ✓
15147. Bartramia pomiformis Hedw. Bartramiaceae
On steep bank of intermittent stream; R30W, S18, SE'/4.

2 ✓
15148. Polytrichum
Near intermittent stream of dry, sandy bank; R30W, S18, SE'/4; w/ sporophytes.

May 28, 1998. Missouri: Vernon County. Camp Clark National Guard facility, southeast of Nevada and just east of Hiway 71 and Missouri County Road "K".
T35N w/K. Benard

3 ✓
15148a. Galium obtusum Bigelow ssp. obtusum Rubiaceae
R30W, S7, SE'/4; Prairie.

1 ✓
15149 Echinacea pallida (Nutt.) Nutt. Asteraceae
Prairie; R31W, S12, SE'/4.

3 ✓
15150 Lonicera japonica Thunb. var. japonica Cappri foliaceae
Growing over shrubs along roadside; R31W, S12, SW'/4.

2 ✓
15151 Ailanthus altissima (Mill.) Swingle Simaroubaceae
Margin of woods; R30W, S7, SE'/4.

3 ✓
15152 Platanthera lacera (Michx.) G. Don var. lacera Orchidaceae
Prairie; R31W, S12, SW'/4.

3 ✓
15153. Linum medium var. texanum (Planch.) Fernald — Linaceae
Prairie; R31W, S12, SW'1/4.

4 ✓
15154. Orbexilum pedunculatum (Mill.) Rydb. var. pedunculatum — Fabaceae
Prairie; R31W, S12, SE'1/4.

3 ✓
15155 Verbascum blattaria L. f. blattaria — Scrophulariaceae
Roadside; R31W, S12, SW'1/4.

3 ✓
15156. Rosa x damascena sp. (Cultivar) — Rosaceae
Disturbed area at margin of woods; R31W, S12, SW'1/4.

3 ✓
15157 Diospyros virginiana L. var. virginiana — Ebenaceae
Roadside; R31W, S12, SW'1/4.

4 ✓
15158 Juncus acuminatus
Disturbed area - wet depression; R31W, S12, SW'1/4.

3 ✓
15159. Hypericum perforatum L. — Clusiaceae
Roadside; R31W, S12, SW'1/4.

2 ✓
15160 Potentilla recta L. — Rosaceae
Roadside; R31W, S12, SW'1/4.

2 ✓
15161. Dianthus armeria L. — Caryophyllaceae
Prairie; R31W, S12, SW'1/4

check sp. list in ref. of pres.

2 ✓
15162. Apocynum sibiricum Jacq. Apocynaceae
Roadside; R31W, S12, SW'/4.

3 ✓
15163 Coreopsis grandiflora J. Hogg ex Sweet var. grandiflora f. grandiflora
Prairie; R31W, S12, SW'/4. Asteraceae

3 ✓
15164. Physalis pubescens L. var. pubescens
Roadside; R31W, S12, SW'/4 - Solanaceae

3 ✓
15165 Vulpia octoflora var. glauca
Roadside; R31W, S12, SW'/4. Poaceae

3 ✓
15166. Sphenopholis obtusata var. obtusata
Prairie; R31W, S12, SE'/4. Poaceae

2 ✓
15167. Cacalia plantaginea (Raf.) Shinners
Prairie; R30W, S7, SE'/4. Asteraceae

3 ✓
15168. Plantago aristata Michx. Plantaginaceae
Roadside; R31W, S12, SW'/4

2 ✓
15169. Geum canadense Jacq.
Roadside; R31W, S12, SW'/4. Rosaceae

3
15170. Carex bushii
Wet ditch along roadside; R30W, S18, NW'/4.

3 ✓
15171. Amorpha fruticosa L. Fabaceae
Wet drainage area; R31W, S13, NW'1/4.

3 ✓
15172. Hordeum jubatum
Wet drainage area; R31W, S13, NW'1/4. Poaceae

1 ✓
15173. Erigeron annuus (L.) Pers.
Wet drainage area; R31W, S13, NW'1/4 Asteraceae

2 ✓
15174. Triodanus perfoliata
On thin soil over sandstone; R30W, S18, SE'1/4. Campanulaceae

2 ✓
15175. Plantago aristata Michx.
On thin soil over sandstone; R30W, S18, SE'1/4. Plantaginaceae

2 ✓
15176. Solanum carolinense L.
On thin soil over sandstone; R30W, S18, SE'1/4. Solanaceae

2 ✓
15177. Gillenia stipulata (Muhl. ex Willd.) Baill.
Dry rocky woods; R30W, S18, NW'1/4. Rosaceae

1 ✓
15178. Robinia hispida L. var. hispida
Margin of fence; R30W, S7, SE'1/4. Fabaceae

May 30, 1998. Kansas: Sumner County.

15179. Erysimum repandum L.
Prairie at this trail observation pulloff. Brassicaceae.

15180 Gaillardia suavis (Gray & Engelm.) Britt. & Rusby.
Roadside rest area; disturbed ground – Asteraceae

15181. Delphinium carolinianum ssp. penardii (Huth) M. J. Warnock
Roadside prairie. Ranunculaceae

15182. Asclepias hirtella (Pennell) Woodson
Roadside prairie. Asclepidaceae

June 2, 1998. Missouri: Vernon County. Camp Clark National Guard facility.

3 ✓
15183 Fissidens fontanus (B. Pyl.) Steud. Fissidentaceae
In stream attached to rock. R31W-S13, NW¼.

✓ Platanthera
15184. lacera (Michx.) G. Don var. lacera Orchidaceae
In prairie; R31W, S12, SW¼.

3 ✓
15185. Juncus brachycarpus
In wet prairie depression; R31W, S12, SW¼.

2 ✓
15186 Echinacea pallida (Nutt.) Nutt. Asteraceae
In upland prairie; R30W, S7, SW¼.

2 ✓
15187. Tephrosia virginiana (L.) Pers. Fabaceae
Prairie; R31W, S12, SE¼.

4 ✓
15188. Erigeron strigosus Muhl. ex Willd. var. strigosus Asteraceae
Prairie; R31W, S12, SE¼.

2 ✓
15189. Rhus glabra L. Anacardiaceae
roadside; R31W, S12, SW¼.

3 ✓
15190. Delphinium carolinianum ssp. penardi (Huth) M.J. Warnock
Prairie; R31W, S12, SW¼. Ranunculaceae

2 ✓
15191. Tripsacum dactyloides (L.) L.
Prairie; R31W, S12, SE¼. Poaceae

3 ✓
15192. Cyperus echinatus
Disturbed ground at rifle range; R31W, S12, SE¼

3 ✓
15193. Carex vulpinoidea
Periodically wet ditch; R31W, S12, SW¼.

2 ✓
15194. Typha angustifolia L. Typhaceae
Margin of stream; R31W, S13, NW¼.

2 ✓
15195. Penstemon tubiflorus Nutt.
Prairie; R30W, S7, SW¼. Scrophulariaceae

3 ✓
15196. Ampelopsis cordata Michx.
Margin of stream, growing over small trees; R31W, S13, NW¼.

3 ✓
15197. Salix eriocephala Michx.
Margin of stream; R31W, S13, NW¼. Salicaceae

✓
15198. Vitis aestivalis Michx. var. aestivalis
Growing over treed along roadside; R31W, S13, NE¼. Vitaceae

2 ✓
15199. Vitis vulpina L.
Growing over trees along roadside; R31W, S13, NE¼. Vitaceae

✓
15200. Parthenocissus quinquefolia (L.) Planch. var. quinquefolia
Along roadside bank; R31W, S13, NE¼. Vitaceae

3 ✓
15201. Juncus diffusussimus
Wet depression of surfacing sandstone; R30W, S18, SE¼.

3 ✓
15202. Stylosanthes biflora (L.) Britt., Sterns & Pogg.
Prairie; R31W, S12, SE'1/4. Fabaceae

3 ✓
15201. Lechea tenuifolia Michx. var. tenuifolia
Prairie; R31W, S12, SE'1/4.
15201a. Juncus tenuis var. tenuis 15201b.

2 ✓
15202. Coreopsis grandiflora J. Hogg ex Sweet var. grandiflora f. grandiflora
Prairie; R31W, S12, SE'1/4. Asteraceae
15202a. Stylosanthes biflora

4 ✓
15203. Verbena simplex Lehm.
Along roadside; R30W, S7, SW'1/4. Verbenaceae

2 ✓
15204. Sambucus canadensis L. var. canadensis
Roadside ditch; R30W, S7, SW'1/4. Capr. foliaceae

1 ✓
15205. Rudbeckia hirta L.
On soil over surfacing sandstone; R30W, S18, SE'1/4; Asteraceae

2 ✓
15206. Cacalia plantaginea (Raf.) Shinners
Prairie; R31W, S12, SE'1/4; Asteraceae

3 ✓
15207 Verbesina helianthoides Michx.
Margin of woods near road; R30W, S18, NW'1/4; Asteraceae

3 ✓
15208. Cryptotaenia canadensis (L.) DC.
In low periodically wet woods; R30W, S7, SW'1/4; Apiaceae

3 ✓
15209. Panicum linearifolium
In periodically wet woods; R30W, S7, sw¼; Poaceae

June 6, 1998. Mississippi: Tishomingo County; J.P. Coleman State Park. ca 9.5 km north of Iuka. T2S, R10E, S18. Pine/Hardwood Forest. Lat. 34° 53' N Long. 88° 11' W w/ Caleb

1 ✓
15210. Hydrangea quercifolia Bartr.
Rich Oak/Pine woods. Hydrangeaceae

June 7, 1998. Mississippi: Hancock County; Buccaneer State Park; ca. 4.0 Km south of I90; on Gulf Coast; ca. 1.6 Km west of Waveland on Shore drive. T9S, R14W, S16. Lat. 30° 16'N, Long. 89° 26' W.

1 ✓
15211. Lejeunea glaucescens Gott.
On live oak - Oak/Pine woods; Lejeuneaceae

June 9, 1998. Alabama: Mobile County; Dauphin Island; ca. 10 Km South of Alabama Port. T8S, R1W, Lat. 30° 15'N; Long. 88° 6' W.

1 ✓
15212. Sapium sebiferum (L.) Roxb.
Euphorbiaceae

2 ✓
15213 Galactia volubilis (L.) Britt. Fabaceae
Climbing over plants in deep sand.

2 ✓
15214 Distichlis spicata (L.) Greene Poaceae
Salt marsh near airport.

1 ✓
15215 Cynanchum palustre (Pursh) Heller Asclepidaceae
Salt marsh near airport.

1 ✓
15216 Borrichia frutescens (L.) DC. Asteraceae
Salt marsh near airport.

1 ✓
15217. Ceratiola ericoides Michx. Empetraceae
on dunes.

1 ✓
15218. Paronychia erecta (Chapm.) Shinn. Caryophyllaceae
on dunes.

June 11, 1998. Arkansas: Chicot County. Lake Chicot
State Park, ca. 13.0 km east of Lake Village
(Highway 65) and south of 144. T15S, R1W, S28
w/ family Lat. 33° 21'N, Long. 91° 13'W.

✓
15219. Porella platyphylloidea (Schwein.) Lindb. Porellaceae
on Carya (pecan).

✓
15220. Porella pinnata L. Porellaceae
On Hackberry.

✓
15221. Cynosciadium digitatum DC.
In low woods. Apiaceae

June 14, 1998. Missouri: Vernon County. Camp Clark
National Guard facility.

3 ✓
15222. Ceanothus americanus L. var. pitcheri.
Prairie; R31W, S12, SW¼. Rhamnaceae

2 ✓
15223 Asclepias hirtella (Pennell) woodson
Prairie; R31W, S12, SW¼. Asclepidaceae

4 ✓
15224. Amorpha canescens Pursh
Prairie; R31W, S12, SW¼. Fabaceae

2 ✓
15225. Symphoricarpos Orbiculatus occidentalis Hook.
Low woods; R30W, S12, SE¼. Caprifoliaceae

2 ✓
15226 Menispermum canadense L. Menispermaceae
Low woods; R30W, S12, SE¼.

2 ✓
15227. Pinus echinata Mill.
Planted along road; R31W, S13, NE¼; Pinaceae

2 ✓
15228. ~~Hypoxis~~ Yucca smalliana Fernald
Edge of woods along road; R30W, S7, SW1/4. Agavaceae

2 ✓
15229. Ruellia humilis var. longiflora (A. Gray) Fernald
Prairie; R31W, S12, SW1/4. Acanthaceae

3 ✓
15230. Carex lupulina
wet ditch near road; R31W, S12, SW1/4.

3 ✓
15231. Boehmeria cylindrica (L.) Sw.
Wet, low area near lake; R31W, S12, SE1/4. Urticaceae.

2 ✓
15232. Polygonum hydropiperoides Michx.
low, wet area near lake; R31W, S12, SE1/4. Polygonaceae.

2 ✓
15233. Campsis radicans (L.) Seem. Bignoniaceae
Along roadside growing over vegetation; R31W, S12, SE1/4.

2 ✓
15234. Rosa setigera var. setigera Michx.
Climbing over Rhus copalling; R31W, S12, SW1/4. Rosaceae

2 ✓
15235. Helenium flexuosum Raf.
Prairie; R31W, S12, SW1/4. Asteraceae

3 ✓
15236. Scleria triglomerata
Wet depression of prairie; R31W, S12, SW1/4.

3 ✓
15237. Pycnanthemum tenuifolium Schrad.
prairie; R31W, S12, SW'1/4. Lamiaceae

2 ✓
15238. Physostegia angustifolia Fernald
prairie; R31W, S12, SW'1/4. Lamiaceae

3 ✓
15239. Eryngium yuccifolium Michx.
Prairie; R31W, S12, SW'1/4. Apiaceae

3 ✓
15240. Morus rubra L.
Low woods near stream; R30W, S12, SE'1/4. Moraceae

3 ✓
15241. Humulus lupulus var. neomexicanus A. Nels. & Cockll.
Margin of low woods near stream; R31W, S12, SE'1/4. Cannabaceae

2 ✓
15242. Asclepias tuberosa ssp. interior Woodson
Roadside ditch at margin of woods; R31W, S12, SE'1/4. Asclepidaceae

2 ✓
15243. Torilis arvensis (Huds.) Link
Disturbed ground; R31W, S13, NW'1/4. Apiaceae

2 ✓
15244. Rhus copallina var. latifolia Engl.
Roadside; R30W, S18, NW'1/4. Anacardiaceae

2 ✓
15245. Convolvulus arvensis L.
Disturbed ground at margin of road; R31W, S13, NW'1/4.
Convolvulaceae

1 ✓
15246. Asclepias purpurascens L.
Along roadside; R30W, S18, SE'/4. Asclepidaceae

3 ✓
15247. Chasmanthium latifolium
Low woods; R30W, S7, SW'/4. Poaceae

1 ✓
15248. Cicuta maculata L.
Low woods; R30W, S7, SW'/4. Apiaceae

3 ✓
15249. Cyperus pseudovegetus var. pseudovegetus
Wet depression of surfacing sandstone; R30W, S18, SE'/4.

2 ✓
15250 Quercus marilandica Münchh.
Dry oak/hickory woods; R30W, S18, SE'/4. Fagaceae

2 ✓
15251. Ludwigia alternifolia L.
Moist ground near oak/hickory woods. Onagraceae
R30W, S18, SE'/4.

1 ✓
15252. Morus alba L.
Margin of low wet woods; R31W, S12, SW'/4. Moraceae

June 16, 1998. Oklahoma: Okmulgee County. Okmulgee State Park; ca. 8.0 km west-southwest of Okmulgee and 3.2 km south of Highway 56. T13N, R11E, S19. Elev. 237m. Trail along lake. Oak/Hickory/Pine dry, rocky woods, sandstone boulders and outcrops. Lat. 35° 34' N; Long 96° 03' W
w/ Caleb

#1 ✓
15253. Weissia controversa Hedw.
On soil at base of Quercus sp.

#2 ✓
15254. Grimmia laevigata (Brid.) Brid.
on sandstone boulders.

#1 ✓
15255. Frullania inflata Gott.
On Quercus sp. Jubulaceae

#2 ✓
15256 Polytrichum juniperinum Hedw.
on soil in woods. Polytrichaceae

#3 ✓
15257. Hedwigia ciliata (Hedw.) P. Beauv.
On sandstone boulders and ledges.

#3 ✓
15258. Leucobryum albidum (Brid. ex P. Beauv.) Lindb.
On soil in woods; Leucobryaceae

B1 ✓
15259. Atrichum angustatum (Brid.) Bruch & Schimp. in B.S.G.
On soil in woods; Polytrichaceae

1 ✓
15260. Frullania riparia Hampe
On sandstone boulders; Jubulaceae

B1 ✓
15261. Anomodon minor (Hedw.) Fürnr.
On soil over sandstone boulders; Anomodontaceae

B2 ✓
15262. Campylium chrysophyllum (Brid.) J. Lange
Along trail margin.

B2 ✓
15263. Campylium chrysophyllum (Brid.) J. Lange
On soil over sandstone.

2 ✓
15264. Scapania nemorea (L.) Grolle
On soil over sandstone. Scapaniaceae

B.1 ✓
15265 Grimmia laevigata (Brid.) Brid.
On sandstone boulders; Grimmiaceae

2 ✓
15266. Frullania ericoides (Nees) Mont.
On sandstone boulder; Jubulaceae

B1 ✓
15267. Tortella humilis (Hedw.) Jenn.
At base of Quercus.
w/ sporophytes

1 ✓
15268. Homomallium adnatum (Hedw.) Broth.
~~On soil~~ At base of Quercus.

1 ✓
15269. Frullania ericoides (Nees) Mont.
on Quercus; Jubulaceae

21 ✓
15270. Leucodon julaceus (Hedw.) Sull.
On Quercus; mixed w/ 15269.

1 ✓
15271. Entodon seductrix (Hedw.) C. Müll.
on exposed soil - disturbed.

2 ✓
15272. Campylium chrysophyllum (Brid.) J. Lange
On soil over sandstone.

2 ✓
15273. Brachythecium ~~sp~~ laetum (Brid.) B.S.G.
On disturbed soil in open woods; Brachytheciaceae

June 16, 1998. Oklahoma: Cleveland County. Little River State Park off Highway 9; ca. 20.5 Km north of Highway 39 and 17.6 Km east of Highway 77. R1W, T9N, S31. Oak/Hickory/Pine woods. Lat. 35°12'N, Long. 97°15'W. w/ Caleb.

3
15274. Brachythecium
on disturbed soil; Brachytheciaceae.

3
15275.
Base of Ulmus sp.

15276. Frullania
On Carya sp. ; Jubulaceae

3
15277.
On railroad tie along trail.

3
15278.
Base of Carya sp.

3
15279.
On disturbed soil of open woods.

15280.

June 17, 1998. OKlahoma : Murray County. Turner Falls in Arbuckle Mountains ca. 1.5 km west of I35. T2S, R1E, S36. Lat. 34° 15', Long. 97° 10' W. Oak / Hickory / Pine Forest; limestone outcrops. w/ Caleb.

3
15281.
On wet rock near stream.

2
15282. Marchantia
On rock near stream. Marchantiaceae

3
15283.
On wet soil near stream.

3
15284.
On wet soil near stream.

2
15285
On boulder in woods.

3
15286.
On moist soil at edge of wooded stream.

1
15287 Frullania
On Quercus sp. Jubulaceae

15288. Conocephalum conicum
On moist rock near falls. Conocephalaceae

3
15289. Fontinalis
In pool at box canyon. Fontinalaceae

2
15290.
On wet rock ledge about spring.

2
15291.
On wet rock near falls.

2
15292
On log in woods.

2
15293.
On wet soil near stream.

2
15294.
On moist soil over rock.

2
15295
On moist soil over rock.

2
15296.
On moist soil over rock.

June 17, 1998. OKlahoma: Johnston County. Blue River Public Hunting Area; off (south) of Highway 7; ca. 4.0 km east of Highway 99/377. T 3S, R7E, S32. Sandstone outcrops in open and oak/hickory woods near Blue River. Lat. 34° 20' N; Long. 96° 35' W.
w/ Caleb Elev. ~225m

•1
15297. Hedwigia ciliata (Hedw.) P. Beauv.
on sandstone boulders.

2 ✓
15298. Fabronia ciliaris (Brid.) Brid.
On thin soil in crevice of sandstone outcrop.

2 ✓
15299. Leucodon julaceus (Hedw.) Sull.
On Quercus sp.

2 ✓
15300. Hedwigia ciliata (Hedw.) P. Beauv.
On soil over sandstone outcrop.

1 ✓
15301 Tortella humilis (Hedw.) Jenn.
On soil over sandstone.

1 ✓
15302. Leucodon julaceus (Hedw.) Sull.
On soil over sandstone.

2 ✓
15303. Frullania inflata Gott.
On Juniperus virginicus. Jubulaceae.

1 ✓ 2
15303a. Leskea obscura Hedw.

15304. Tortella humilis (Hedw.) Jenn.
On thin soil in crevice of sandstone outcrop.

1 ✓
15305. Orthotrichum diaphanum Brid.
On Quercus sp.

1 ✓
15306. Hedwigia ciliata (Hedw.) P. Beauv.
On soil over sandstone.

#2 ✓
15307. Grimmia laevigata (Brid.) Brid.
On thin soil over sandstone boulders.

#2 ✓
15308. Selaginella rupestris (L.) Spring.
On soil over sandstone.

June 17, 1998. OKlahoma: Johnston County. Ca. 1.2 Km
north of Mill Creek on east side of Highway 7/1.
T2S, R5E, S6; Lat. 34° 18' N, Long. 96° 47' W.
Sandstone outcrop. Elev. ~225m w/ Caleb.

#4 ✓
15309. Reboulia hemisphaerica (L.) Raddi
On exposed sandstone.

#1 ✓
15310. Tortella humilis (Hedw.) Jenn.
On exposed sandstone.

#1 ✓
15311. Tortella humilis (Hedw.) Jenn.
On exposed sandstone.

June 17, 1998. OKlahoma: Atoka County; Boggy Depot St. Pk. ca. 6.5 Km
South of Highway 7. T3S, R10E, S1; Lat. 34°18'N, Long. 96°02'W.
Oak/Hickory dry forest. Elev. ~208m. w/ Caleb.

#2 ✓
15312 Frullania eboracensis Gott.
On Quercus sp.

Jubulaceae

15312a. Leucodon julaceus (Hedw.) Sull.

15313. Entodon seductrix (Hedw.) C. Müll.
Base of stump.

15314. Steerecleus serrulatus (Hedw.) Robins.
Base of Quercus sp.

15315. Campylium chrysophyllum (Brid.) J. Lange
On soil in woods.

15316. Campylium chrysophyllum (Brid.) J. Lange
On soil in woods.

15317. Orthotrichum strangulatum P. Beauv.
On base of oak.

15318. Scapania nemorea (L.) Grolle
On soil in woods.

15319. Brachythecium acuminatum (Hedw.) Aust. var. acuminatum
On disturbed soil.

15320. Leucodon julaceus (Hedw.) Sull.
On Quercus sp.

15321. Bruchia flexuosa (Sw. ex Schwaegr.) C. Müll.
On disturbed soil along trail.

15321a. Pogonatum brachyphyllum (Michx.) P. Beauv.

#1
15322. Plagiomnium cuspidatum (Hedw.) T. Kop.
On soil along trail.

3
15323. Atrichum angustatum (Brid.) Bruch & Schimp. in B.S.G.
On soil in woods. Polytrichaceae

3
15324.
On Juniperus virginicus

1
15325. Frullania inflata Gott.
On Juniperus virginicus. Jubulaceae

2
15326. Brachythecium laetum (Brid.) B.S.G.
On soil along trail.

1
15327. Reboulia hemisphaerica (L.) Radd.
On sandy soil of intermittent stream bank.

1
15328. Atrichum angustatum (Brid.) Bruch & Schimp. in B.S.G.
On sandy soil of intermittent stream bank.

June 17, 1998. OKlahoma: Atoka County. McGee Creek State Park; ca. 6.4 Km north of Highway 3. T3S, R13E, S1, Lat. 34° 18'N; Long. 95° 59'N. Elev. 168m. Oak/Hickory, rocky, dry forest. w/ Caleb.

3
15329.
On sandstone boulders.

3
15330.
On sandstone outcrop.

3
15331.
On Quercus sp.

3
15332.
On disturbed soil along road.

3
15333.
On disturbed soil along road.

3
15334. Ditrichum
On disturbed soil along road. Ditrichaceae

3
15335.
On sandstone boulders.

2
15336.
On sandstone boulder.

3
15337. Bryum
On disturbed soil at pulloff on dam. Bryaceae

3
15338.
Base of Carya sp.

2
15339
on trunk of Carya sp.

1
15340. Frullania
On Quercus sp. ; Jubulaceae

3
15341.
On dry soil at base of Quercus sp.

3
15342.
On sandstone boulders.

2
15343.
On base of Pinus

1
15344. Frullania
on Quercus sp. ; Jubulaceae

3
15345.
On base of Quercus sp.

2
15346.
On base of Quercus sp.

June 18, 1998. OKlahoma: Atoka County. McGee Creek Wilderness Area; ca. 19.5 km north of highway 3. T2S, R14E S14 & 15. Rocky Oak/Hickory/Pine woods. Lat. 34° 19'N; Long. 95°58'W. Elev. ~175m. w/Caleb. Rocky Point Trail.

2
15347. Thelia
On sandstone boulder.

2
15348 Aulacomnium
On underside of sandstone ledge.

2
15349
On underside of sandstone ledge.

3
15350
On sandstone boulder.

3
15351
Base of Quercus sp.

3
15352. Ditrichum pallidum
Dry rocky woods.

3
15353.
On Quercus sp.

3
15354.
On sandstone boulder.

2
15355.
On log.

2
15356
On log.

3
15357.
On log.

3
15358
On soil at margin of intermittent stream.

3
15359 Aulacomnium
On soil at margin of intermittent stream.

1
15360 Frullania
On sandstone outcrop. Jubulaceae

3
15361.
On sandstone rock at edge of intermittent stream.

3
15362. Atrichum
On soil in dry woods.

15363. Leucobryum
On soil at base of Quercus sp.

15364. Anomodon
On thin soil at base of Quercus sp.

15365.
On sandstone boulders.

15366.
On soil in dry woods.

15367.
On sandstone boulder.

15368 Frullania
On Quercus sp. Jubulaceae

15369. Polytrichum
On soil in dry woods. Polytrichaceae

15370. Frullania
On sandstone boulders. Jubulaceae

15371.
On disturbed soil.

3
15372.
On soil in dry woods.

2
15373.
On thin soil over sandstone at margin of intermittent stream.

1
15374.
On thin soil over sandstone at margin of intermittent stream.

2
15375.
On sandstone boulder.

3
15376.
On sandstone boulder.

1
15377.
On sandstone boulder.

2
15378.
On sandstone outcrop.

2
15379.
On thin soil over sandstone boulder.

June 18, 1998. OKlahoma: Atoka County. McGee Creek Wilderness Area. ca. 19.5 km north of hiway 3. T2S, R14E, S14. Lat. 34°19'N, Long. 95°58'W. Elev. ~175 m. Rim Trail. w/ Caleb. Oak/Hickory/Pine, dry rocky woods.

•3 ✓
15380. Sphagnum subsecundum Nees
On sandy bank of intermittent stream; Sphagnaceae.

•2 ✓
15381. Scapania nemorosa (L.) Grolle
On sandy bank of intermittent stream; Scapaniaceae

2 1 ✓
15382. Climacium americanum Brid.
On sandy bank of intermittent stream;

•1 ✓
15383. Leucodon julaceus (Hedw.) Sull.
On Quercus sp. log.

2 ✓
15384. Frullania eboracensis Gott.
On Juniperus. Jubulaceae

1 ✓
15385. Riccia bifurca Hoffm.
On soil along trail.

1 ✓
15386. Asterella Tenella (L.) Beauv.
On soil along trail.

1
15387

On soil along trail.

2 15387a.

1
15388. Polytrichum commune Hedw.
On soil in dry woods; Polytrichaceae.

1
15389. Reboulia hemisphaerica (L.) Radd:
On sandy soil along intermittent stream;

2 15389a. Hygroamblystegium tenax (Hedw.) Jenn

15390 Riccia sorocarpa Bisch.
On soil along trail; Ricciaceae

2
15391 Jungermannia hyalina Lyell
On sandy soil along intermittent stream.

1
15392. Thuidium delicatulum (Hedw.) B.S.G.
On sandy soil along intermittent stream; Thuidiaceae

June 18, 1998. OKlahoma: LeFlore County; Talimena State Park just east of Highway 271 and junction Highway 1. T4N, R23E, S2 Lat. 34° 46' N, 94° 59' W. Upland dry Oak/Hickory/Pine woods. w/ Caleb.

3
15393

On Juniperus virginicus.

2
15394
On Quercus sp.

2
15395
On thin soil in crevice of sandstone boulder.

3
15396. Polytrichum
On soil in dry woods. Polytrichaceae

1
15397. Frullania
On Ulmus sp. Jubulaceae

3
15398
On soil in dry woods.

2
15399.
On Ostrya sp.

3
15400.
On dry soil in woods.

2
15401
On Pinus sp.

3
15402.
On Pinus sp.

3
15403.
On sandstone boulder.

3
15404
On base of Quercus sp.

2
15405. Fissidens
On sandstone of intermittent stream.

2
15406
On sandstone of intermittent stream.

1
15407. Frullania
on cedar (Juniperus virginicus). Jubulaceae

3
15408
On disturbed soil.

3
15409.
On sandstone ledge.

3
15410.
On soil along trail.

3
15411.
On Quercus sp.

1
15412. Frullania
on sandstone boulder. Jubulaceae

1
15413.
On Carya sp.

3
15414. Fissidens
On moist soil near intermittant stream.

3
15415.
On Quercus sp.

3
15416.
Base of Pinus sp.

2
15417. Frullania
On sandstone boulder. Jubulaceae

3
15418 Bryoandersonia
On dry soil in woods.

3
15419.
On Quercus sp.

3
15420. Frullania
on Quercus sp. Jubulaceae

June 19, 1998. OKlahoma: Sequoyah County. Brushy Creek State Park. Ca. 9.6 Km north of Highway 64 and about 4.0 Km west of Highway 59. T12N, R24E, S6; Lat. 35° 31'N, Long. 94° 46'W. Oak/Hickory/Pine Rocky Woods near Brushy Creek Resevoir. w/Caleb.

3
15421. Polytrichum
On soil in woods. Polytrichaceae

3
15422.
On soil in woods.

3
15423. D. trichum
On soil in woods. D. trichaceae

1
15424. Frullania
On sandstone outcrop. Jubulaceae

3
15425. Bryoandersonia illecebra
On soil over sandstone.

3
15426.
On sandstone.

2
15427.
On sandstone.

2
15428. Atrichum
on soil in woods. Polytrichaceae

1
15429. Fissidens
on soil below sandstone overhang Fissidentaceae

1
15430.
On soil below sandstone overhang.

3
15430
On soil below sandstone overhang.

3
15431.
On disturbed shaded soil.

3
15432.
On log in woods.

3
15433.
Base of Quercus sp.

3
15434. Fissidens
on soil near stream; Fissidentaceae

1
15435.
On Quercus sp.

2
15436. Frullania
On Quercus sp. Jubulaceae

3
15437. Ditrichum
on disturbed, open soil.

1
15438.
On disturbed, open soil.

2
15439.
on disturbed, open soil.

1
15440. Frullania
On sandstone boulder. Jubulaceae

3
15441 Entodon
On soil in woods. Entodontaceae

3
15442.
On soil in woods.

#3
15443.
On soil over rotted trunk.

3
15444.
On log.

3
15445.

On exposed roots of Quercus sp.

3
15446.

On sandstone boulders.

34
15447.

On sandstone boulders.

3
15448.

On Quercus sp.

3
15449.

Base of cedar.

1
15450

On sandstone boulder.

June 19, 1998: OKlahoma: Delaware County. Natural Falls State Park. Ca. 11.2 Km west of junction 59/412 and ca. 0.8 Km south of Highway 59/412. T.20N, R24E, S31. Lat. 36° 12'N, Long. 94° 43'W. Exposed limestone outcrop w/ Oak/Hickory and moist ravine fed by Dripping Springs Branch. W/Caleb.

3 ✓
15451. Polytrichum commune var. commune Hedw. Det. P.R. On soil over limestone in Oak/Hickory woods; Polytrichaceae.

3 ✓
15452. Ditrichum pallidum (Hedw.) Hampe
On disturbed ground near stream; Ditrichaceae.

3 ✓
15453. Plagiomnium cuspidatum (Hedw.) T. Kop. Det. P.R.
On wet rock of falls. Mniaceae

3 ✓
15454. Hypnum curvifolium Hedw.
On boulders at base of bluff.

1 ✓
15455. Porella pinnata L.
Attached to rock at edge of stream. Porellaceae

1 ✓
15456. Frullania inflata Gott.
On Prunus sp. Jubulaceae

3 ✓
15457. Climacium americanum Brid.
On soil and over rock near spring.

3 ✓
15458. Hygroamblystegium tenax (Hedw.) Jenn. var. tenax Det. P.R.
On wet rock below falls; Amblystegiaceae.

3 ✓
15459. Hygroamblystegium tenax (Hedw.) Jenn. var. tenax
On wet rock in spray of falls; Amblystegiaceae
Det. P.R.

3 ✓
15460. Anomodon rostratus (Hedw.) Schimp. Det. P.R.
On soil at base of bluff. Anomodontaceae

3 ✓
15461. Leucobryum glaucum (Hedw.) Aongstr. in Fries
On soil in dry woods above falls, Leucobryaceae
Det. P.R.

2 ✓
15462. Dicranella
In crevice of verticle limestone. Det. P.R.

2 ✓
15463
On limestone of vertical face.

2 ✓
15464. Metzgeria furcata var. ulvula Nees
On vertical limestone.

1 ✓
15464a. Leucolejeunea clypeata (Schwein.) Evans

4 ✓
15465. Dicranum scoparium Hedw.
on thin soil over limestone below oaks of bluff.

3 ✓
15466. Fissidens fontanus (B. Pyl.) Steud.
Attached to rocks in spring. Fissidentaceae

3 ✓
15467. Amblystegium varium (Hedw.) Lindb. Amblystegiaceae
On soil of dry rocky woods. Det. P.R.

3 ✓
15468. Thelia lescurii Sull.
On limestone boulder at base of bluff; ~~Anomodontaceae~~ Theliaceae

3 ✓
15469. Leucodon julaceus (Hedw.) Sull.
On Juniperus virginicus

4
15470. Bartramia pomiformis Hedw.
On limestone along vertical face.

3
15471. Taxiphyllum deplanatum (Bruch & Schimp. ex Sull.) Fleisch
On soil below bluff. Det. P.R.

3
15472. Grimmia pilifera P. Beauv. Det. P.R.
On soil over limestone, below Quercus sp. above bluff.

3
15473. Platyhypnidium riparioides (Hedw.) Dix Det. P.R.
On wet rock at margin of spring. Amblystegiaceae

1
15474. Conocephalum conicum (L.) Underwood
on wet vertical face of falls and rocks in stream.

3
15475. Polytrichum ohioense Ren. & Card. Det. P.R.
on limestone near top of bluff. Polytrichaceae

4
15475a. Chiloscyphus profundus (Nees) Eng. & Schust.

15476 Dicranum fulvum Hook. Dicranaceae Det. P.R.
On thin soil over limestone boulders along bluff.

3
15477. Bryoandersonia illecebra (Hedw.) Robins.
On soil over ~~rock~~ limestone at base of bluff.

2
15478. Plagiochila asplenioides subsp. porelloides (Torrey ex Nees) Schust.
Attached to wet rock in runoff of falls.

3 ✓
15479. Hygroamblystegium tenax (Hedw.) Jenn. var. tenax
Attached to wet rock in spray of falls.

4 ✓
15480. Cyrto-hypnum pygmaeum (Schimp. in B.S.G.) Buck & Crum
Attached to wet ceiling in cave. Det. P.R. Amblystegiaceae.

3 ✓
15481. Thuidium delicatulum (Hedw.) Schimp. in B.S.G.
On rocks and soil near spring; mixed with Polytrichum

2 ✓
15482. Chiloscyphus pallescens (Ehrh. ex Hoffm.) Dum var. pallescens
Over limestone along bluff. Lophocoleaceae

3 ✓
15483. Entodon seductrix (Hedw.) C. Müll.
On wood step bridge at trail head. Entodontaceae

4 ✓
15484. Dicranum condensatum Hedw. Det. P.R.
On soil over limestone below bluff. Dicranaceae

3 ✓
15485. Atrichum angustatum (Brid.) Bruch Det. P.R.
On dry soil in woods. Polytrichaceae

2 ✓
15486. Taxiphyllum deplanatum (Bruch & Schimp. ex Sull.) Fleisch
On shaded vertical limestone. Det. P.R.

2 ✓
15487. Brachythecium oxycladon (Brid.) Jaeg.
On rock and soil in disturbed ground.

3 ✓
15488. Entodon seductrix (Hedw.) C. Muell. Det. PR
On Quercus sp. Entodontaceae

1 ✓
15489.
On moist limestone.

1 ✓
15490. Frullania inflata Gott.
On Quercus sp. Jubulaceae

3 ✓
15491. Haplocladium virginianum (Brid.) Broth.
On thin soil over well rotted log.

3 ✓
15492. Hedwigia ciliata (Hedw.) P. Beauv.
On limestone boulder.

1 ✓
15493. Lemna minuta H.B.K.
In spring stream mixed with mosses.

3 ✓
15494. Thuidium delicatulum (Hedw.) Schimp. in B.S.G.
Attached to rock at base of bluff. Det. P.R.

3 ✓
15495. Anomodon minor (Hedw.) Fürnr.
Attached to rock along bluff; Anomodontaceae.

3 ✓
15496. Bryoandersonia illecebra (Hedw.) Robins.
Attached to rock along bluff. Brachytheciaceae

2 ✓
15496a. Rhizomnium punctatum (Hedw.) T. Kop. Mniaceae

2 ✓
15497. Leucolejeunea clypeata
On limestone. ~~Jubulaceae~~ Lejeuneaceae

3 ✓
15498. Eurhynchium pulchellum (Hedw.) Jenn. var. pulchellum
on dry soil of disturbed ground.

3 ✓
15499 Schistidium apocarpum (Hedw.) Bruch & Schimp. in B.S.G.
On soil over limestone.

3 ✓
15500 Gymnostomum ae
On wet rock at back of cave. Det. P.R.

2 ✓
15500a. Mnium marginatum (with.) Brid ex P. Beauv. Mniaceae

2 ✓
15501. Mnium marginatum (with.) Brid. ex P. Beauv. Det. P.R.
On wet rock of cave overhang. Mniaceae

3 ✓
15502. Schistidium rivulare (Brid.)
On limestone (exposed).

3 ✓
15503. Anomodon attenuatus (Hedw.) Hüb.
On limestone.

3 ✓
15504. Plagiomnium cuspidatum (Hedw.) T. Kop.
On soil of disturbed ground.

1 ✓
15505. Chiloscyphus cuspidata (Nees) Eng. & Schust.
On rock in stream.

2 ✓
15506. Leskea gracilescens Hedw.
On Juniperus virginicus.

1 ✓
15507. Radula obconica Sulliv.
on moist limestone boulder.

1 ✓
15508 Ditrichum
On soil in crevice of limestone. Ditrichaceae

1 ✓
15509. Leskea obscura Hedw.
On wooden bridge at trail head.

P.R. 2 ✓
15510. Leskea gracilescens Hedw. Det. P.R.
on base of cedar.

2 ✓
15511. Ptychomitrium incurvum (Schwaeg.) Sull. Det. P.R.
On soil near stream at top of bluff.

2 ✓
15512. Porella pinnata L.
On soil along base of bluff.

2 ✓
15513. Bryum capillare Hedw. Det. P.R.
On soil over limestone. Bryaceae

15513a. Metzgeria furcata (L.) Dumort. Metzgeriaceae
on moist rock near waterfall.

1
15513b. Anthoceros laevis subsp. carolinianus (L.) Schust. Anthocerotaceae
On moist shaded rock near falls

July 10, 1998. Missouri: Camp Clark National Guard Area, east/southeast of Nevada and east of highway K and 71. T35N; Lat. 37°50'N, Long. 94°18W.

3 ✓
15514. Quercus stellata Wangenh. var. stellata Fagaceae
Dry, rocky woods. R30W, S18, NW¼.

2 ✓
15515 Galium ~~obtusum Bigelow ssp. obtusum~~ pilosum var. pilosum Rubiaceae
Dry, rocky woods. R30W, S18, NW¼.

1 ✓
15516. Pycnanthemum pilosum Nutt. Lamiaceae
Margin of woods and ditch; R30W, S18, NW¼

3 ✓
15517 Silene stellata (L.) W.T. Aiton Caryophyllaceae
Margin of lake and oak/hickory dry woods near stream. R31W, S13, NE¼.

✓
15518. Rhexia mariana var. interior (Pennell) Kral & Bostick
Margin of lake on south end; R31W, S13, NE¼. Melastomataceae

3 ✓
15519. Ludwigia ~~repens~~ peploides J.R. Frost Onagraceae
Margin of lake. R31W, S13, NE¼.

2 ✓
15520 Pyrrhopappus carolinianus (Walter) DC. Asteraceae
Prairie R31W, S12, SW¼.

2 ✓
15521. Teucrium canadense L. Lamiaceae
Prairie ditch; R31W, S12, SW¼.

15522. Panicum anceps Michx. Poaceae
Field near lake. R31W, S12, SE 1/4.

15523. Hypericum punctatum Lam. Clusiaceae
Along roadside; R31W, S12, SW 1/4.

15524. Prunella vulgaris L. var. lanceolata (W.P.C. Barton) Fernald
Margin of lake. R31W, S12, SE 1/4. Lamiaceae

15525. Ludwigia alternifolia L. Onagraceae
Along intermittent stream. R31W, S13, NW 1/4.

15526. Sabatia angularis (L.) Pursh f. angularis Gentianaceae
Along intermittent stream. R31W, S13, NW 1/4.

15527. Verbena simplex Lehm. Verbenaceae
Along intermittent stream. R31W, S13, NW 1/4.

15528. Rhus copalling var. latifolia Engl. Anacardiaceae
Along roadside. R31W, S12, SW 1/4.

15529. Liatris pycnostachya Michx. f. pycnostachya
Prairie; R31W, S12, SW 1/4. Asteraceae

15530. Croton glandulosus L. var. septentrionalis Müll. Arg.
Margin of road; R31W, S12, SW 1/4. Euphorbiaceae

2 ✓
15531. Cacalia atriplicifolia L. Asteraceae
Open woods near stream. R30W, S18, NW'/4.

3 ✓
15532. Corylus americana Walter Betulaceae
Margin of lake. R31W, S12, SW'/4.

2 ✓
15533. Smilax glauca Walter Smilacaceae
Oak/Hickory woods near stream. R30W, S18, NW'/4.

2 ✓
15534. Monarda fistulosa L. ssp. fistulosa Lamiaceae
Margin of wooded area near stream (arm of lake). R31W, S12, SW'/4.

1 ✓
15535. Asclepias verticillata L. Asclepidaceae
Prairie R31W, S12, SW'/4.

3 ✓
15536. Spiranthes vernalis Engelm. & Gray Orchidaceae
Prairie R30W, S7, SW'/4.

3 ✓
15537. Galium circaezans var. hypomalacum Fernald.
Oak/Hickory woods. R30W, S18, NW'/4. Rubiaceae

2 ✓
15538 Buchnera americana L. Scrophulariaceae
Prairie. R30W, S7, NW'/4.

3 ✓
15539. Chasmanthium latifolium (Michx.) H.O. Yates
Moist oak/hickory woods. Poaceae
R30W, S18, NW'/4.

2✓
15540. Eryngium yuccifolium Michx. Apiaceae
Prairie. R30W, S7, NW¼.

1✓
15541. Rudbeckia triloba L. var. triloba Asteraceae
Oak/Hickory woods. R30W, S18, SE¼.

2✓
15542. Anemone virginiana L. f. virginiana Ranunculaceae
Oak/Hickory woods near intermittent stream; R30W, S18, NW¼.

3✓
15543. Eupatorium purpureum L. var. purpureum Asteraceae
Margin of open woods near stream. R30W, S18, NW¼.

1✓
15544. Croton capitatus Michx. var. capitatus Euphorbiaceae
~~Roadside~~, sandstone outcrop, R30W, S18, SE¼.

2✓
15545. Physalis pubescens L. var. pubescens Solanaceae
Margin of oak/hickory woods in disturbed ground.
R30W, S7, SW¼.

3✓
15546. Circaea lutetiana ssp. canadensis Onagraceae
Along intermittent stream in woods, R30W, S18, SE¼.

✓
15547. Morus rubra
Oak/Hickory woods. R30W, S7, SW¼.

3 ✓
15548. Anomodon attenuatus (Hedw.) Hüb. Anomodontaceae
Base of Quercus sp. in oak/hickory woods.
R30W, S18, NW 1/4.

2 ✓
15549 Leskea gracilescens Hedw. Leskeaceae
on Quercus sp. R30W, S18, NW 1/4.

4 ✓
15550. Helodium paludosum
On soil among grasses near lake. R31W, S13, NE 1/4.

2 ✓
15551 Sdenostoma hyalinum (Lyell) Mitt. Jungermanniaceae
On soil over sandstone along stream. R30W, S18, SE 1/4.

3 ✓
15552.
On sandy soil along intermittent stream. R30W, S18, SE 1/4.

3 ✓
15553.
2 ✓ On decaying log in oak/hickory dry woods. R30W, S18, NW 1/4.
2 ✓ 15553a.
2 ✓
15554. Fissidens
On sandstone rocks along intermittent stream. R30W, S18, SE 1/4.

2 ✓
15555. Anthoceros laevis subsp. carolinianus (L.) Schust. Anthocerotaceae
On sandstone along stream. R30W, S18, SE 1/4.

2 ✓
15556. Fissidens bushii (Card. & Ther.) Card. & Ther. Fissidentaceae
on soil of intermittent stream bank. R30W, S18, SE 1/4.

1
15557. Scapania nemorosa (L.) Dum. Scapaniaceae
On thin soil over sandstone rocks along stream, R30W, S18, SE¼

3
15558. Fontinalis
Attached to rock in stream. R31W, S13, NE¼.

July 16, 1998. Missouri: Vernon County. Camp Clark National Guard area. East/Southeast of Nevada and east of highway 71 and county road K. T35N.
Lat. 37° 50' N, Long. 94° 18' W.

2
15559. Baptisia alba (L.) Vent. var. macrophylla (Larisey) Isely
Prairie. R31W, S12, SW¼. Fabaceae

3
15560. Potamogeton diversifolius
Slow moving stream (shallow); R31W, S13, NW¼. Potamogetonaceae

2
15561 Scirpus atrovirens
Shallow, slow moving stream. R31W, S13, NW¼.

15562. Ratibida pinnata (Vent.) Barnhart Asteraceae
Prairie roadside R31W, S12, SW¼.

2
15563. Pyrrhopappus carolinianus (Walt.) DC. Asteraceae
Roadside. R31W, S12, SW¼.

2 ✓
15564. Phleum pratense L. Poaceae
Prairie; R31W, S13, NW'1/4.

1 ✓
15565. Pycnanthemum pilosum Nutt. Lamiaceae
Roadside; R30W, S18, NW'1/4.

2 ✓
15566. Desmodium glutinosum (Muhl. ex Willd.) A.W. Wood f. glutinosum
Oak/Hickory woods; R30W, S18, SE'1/4. Fabaceae

4 ✓
15567. Adiantum pedatum L. var. pedatum Pteridaceae
Bank of intermittent stream in oak/hickory woods. R30W, S18, SE'1/4.

✓
15568 Diarrhena obovata Poaceae
Wooded wetland. R30W, S7, SW'1/4.

3 ✓
15569. Stachys tenuifolia Willd. Lamiaceae
Flood plain in low woods. R30W, S18, SE'1/4.

3 ✓
15570. Panicum Poaceae
Prairie. R31W, S12, SW'1/4.

✓
15571. Viburnum rufidulum Caprifoliaceae
low wood along intermittent stream. R30W, S18, SE'1/4.

4 ✓
15572 Circaea lutetiana ssp. canadensis
Along intermittent stream bank of oak/hickory woods.
R30W, S18, SE'1/4.

3 ✓
15573. Galium triflorum — Rubiaceae
Floodplain woods. R30W, S18, NW'1/4.

3 ✓
15574. Eragrostis pectinacea var. pectinacea — Poaceae
Disturbed roadside. R30W, S7, SW'1/4.

2 ✓
15575 Glyceria striata var. striata — Poaceae
Wooded wetland. R30W, S7, SW'1/4.

3 ✓
15576. Chrysopsis pilosa Nutt. — Asteraceae
Margin of rocky oak/hickory woods. R30W, S18, NW'1/4.

✓
15577.
Dry rock oak/hickory woods near intermittent stream.
R30W, S18, SE'1/4.

3 ✓
15578 Hypericum mutilum L. — Clusiaceae
Margin of stream. R31W, S13, NE'1/4.

3 ✓
15579. Chamaesyce maculata (L.) Small — Euphorbiaceae
Prairie. R31W, S12, SW'1/4.

3 ✓
15580. Panicum acuminatum var. acuminatum — Poaceae
Prairie. R31W, S12, SW'1/4.

2 ✓
15581. Silphium integrifolium Michx. var. integrifolium — Asteraceae
Prairie roadside. R31W, S12, SW'1/4.

2 ✓
15582. Albizia julibrissin Durazz. Mimosaceae
North fenceline. R30W, S7, SE1/4.

August 1, 1998. ARKANSAS. Desha County., South of Pine Bluff on east side of highway 65. T9S, R4W, S08. Lat. 33° 57' N, Long. 91° 31' W.
w/ Caleb Timme.

✓
15583. Oryza sativa L.
Growing in field.

August 2, 1998. Mississippi: Claiborne County. Owens Creek Waterfall on west side of Natchez Trace. Ca. 4.0 Km south of Rocky Spring exit.

1 ✓
15584. Fagus grandifolia Ehrhart
Fagaceae
* see 15588

August 2, 1998. Mississippi: Jefferson County. Bullen Creek. East side of Natchez Trace Parkway. Ca. 1.6 Km south of hiway 553. T9N, R1W.

2 ✓
15585. Tipularia discolor (Pursh) Nutt.
Below pine in mixed woods. Orchidaceae

August 2, 1998. Mississippi: Hinds County. Battle of Raymond, west of Natchez Trace. Ca. 0.8 km south of highway 467. T5N, R3W, S14. Low area along roadside. w/ Caleb Timme.

15586. Lythrum alatum Pursh var. alatum Lythraceae

15587. Vernonia gigantea (Walter) Trel. ex Branner & Coville Asteraceae (2 sheets)

* see 15594

August 2, 1998. Mississpi: Claiborne County – Owens Creek.

15588 Rectolejeunea maxonii Evans → Lejeuneaceae

15588a. Leucolejeunea clypeata (Lindb.) Evans ↗

On trunk of Beech.

15589. Solenostoma hyalinum (Lyell) Mitt. Jungermanniaceae

on rock of intermittent stream.

15590. Dumortiera hirsuta (Sw.) Nees

On soil over sandstone along intermittent stream.

15591. Lejeunea flava (Sw.) Nees; → mixed w/ L. glaucescens & Radula australis

15591a. Lejeunea glaucescens Gott. Lejeuneaceae; mixed with Radula australis

On sandstone boulder along creek.

15591b. Radula australis Aust. Radulaceae; mixed w/ Lejeunea glaucescens

15592. Conocephalum conicum (L.) Lindb.

on soil over sandstone rocks.

15593. Frullania ericoides (Nees) Mont. Jubulaceae

On trunk of Beech.

August 2, 1998. Jefferson County (MS) – Bullen Creek.

15594. Lejeunea flava (Sw.) Nees
On base of Beech.

15595. Cephalozia catenulata (Hüb.) Lindb.
On rotting log in low woods.

Aug. 2, 1998. Mississippi: Adams County. Loess Bluffs. On east side of Natchez Trace ca. 13 km southeast of Fayette. T8N, R1W. Lat. 31° 37' N, Long. 91° 15' W. w/ Caleb Timme.

15596. Conocephalum conicum (L.) Lindb.
On soil along intermittent stream.

15597. Ampleopsis arborea (L.) Koehne Vitaceae
Margin of woods.

August 2, 1998. Mississippi: Claiborne County.
Sunken Trace at Craft. ca. 3.0 km north of Port Gibson.
T12N, R3E. Lat. 31°58' Long. 90° 56'. w/ Caleb Timme

15598. Leucolejeunea clypeata (Lindb.) Evans.
On base of tree.

15598a. Porella pinnata L.

3 ✓
15599. Chiloscyphus profundus (Nees) Eng. & Schust.
on ~~dended~~ log.

August 2 1998. Mississippi.: Madison County.
Cypress Swamp on east side of Natchez Trace; ca. 8.0
Km southeast of Canton. T8N, R4E, S8. Lat. 32° 33' N,
2 ✓ Long. 89° 55' W. w/ Caleb Timme
15600. Leucolejeunea clypeata (Lindb.) Evans
on tupelo gum.

1 ✓
15601 Leucolejeunea clypeata (Lindb.) Evans
on hickory.

1 ✓
15602. Lygodium japonicum (Thunberg) Swartz
Growing over shrubs in woods. Schizaeaceae

August. 2, 1998. Mississippi. Madison County. ca. 2.5 Km South
2 Mile marker 130. / east of hiway 16; on west side of
Natchez Trace. T9N, R5E, S3. Lat. 32° 39' N, Long. 89° 47' W.
w/ Caleb Timme.

1 ✓
15603. Helenium flexuosum Raf.
In open disturbed ground. Asteraceae

1 ✓
15604. Rhexia virginica L.
In open disturbed ground. Melastomataceae

August 3, 1998. Mississippi: Lee County. ca. 4.0 km southeast Dogwood Valley. / of Guntown on northwest side of trace. T85, R7E, S6. Lat. 34° 25' N, 88° 36° W. w/ Caleb Timme

1 ✓
15605. Erigeron annuus (L.) Persoon
Along trail in woods. Asteraceae

2 ✓
15606. Scutellaria elliptica Muhl.
Along trail in woods. Lamiaceae

2 ✓
15607. Hypericum hypericoides var. muticaule (Michx. ex Willd.) Fosberg
Roadside at entrance to Dogwood Valley. Clusiaceae

1 ✓
15608. Aulacomnium heterostichum (Hedw.) BSG.
On soil along trail. Aulacomniaceae

2 ✓
15609. Plagiomnium ciliare (C. Müll.) T. Kop.
On soil along trail. Mniaceae

1 ✓
15610 Frullania eboracensis Lehm. Jubulaceae
On tree trunk.

1 ✓
15611. Frullania inflata Gott. Jubulaceae
On beech.

Lauderdale Co.

August 3, 1998. Alabama: Ca. 1.2 km south of highway 14. Rock Springs / T2S, R13W, S22; Lat. 34° 49'W, Long. 87°52'W. w/ caleb Timme

2 ✓ 15612. Phlox carolina L. Polemoniaceae
In alluvial woods.

2 ✓ 15613. Porella pinnata L. Porellaceae
Attached to rock and submerged in spring.

1 ✓ 15614. Frullania ericoides (Nees) Mont. Jubulaceae
On beech.

2 ✓ 15615. Fissidens fontanus (B.-Pyl.) Steud. Fissidentaceae
submerged in spring and attached to rock.

1 ✓ 15616. Dumortiera hirsuta (Sw.) Nees
On sandstone rock near spring.

August 3, 1998. Tennessee: Wayne County. Ca. 11.2 km south of Cypress Creek. / highway 13 on east side of Natchez Trace.

✓ 15617. Frullania inflata Gott. Jubulaceae
On beech.

August 3, 1998. Tennessee: Wayne County. ca. 9.0 km south Sweetwater Branch / of highway 64 on west side of Natchez Trace.

2 ✓
15618. Climacium americanum Brid.
On rocks along streem.

August 3, 1998. Tennessee: Wayne County. ca. 8.5 km south Margin of woods along Natchez Trace / of highway 64 on east side of Natchez Trace.

2 ✓
15619. Aralia spinosa L.
3 sheets

August 3, 1998. Tennessee: Wayne County. ca. 8 km south Glenrock Branch. / of highway 64 on east side of Natchez Trace.

1 ✓
15620. Dumortiera hirsuta (Sw.) Nees
On rocks along stream.

1 ✓
15621. Frullania ericoides (Nees) Mont.
On beech.

3 ✓
15622. Bartramia pomiformis Hedw. Bartramiaceae
On rock of steep slope above stream.

2 ✓
15623. Scapania nemorosa (L.) Dum. Scapaniaceae
On thin soil over rock of steep slope above stream.

3 ✓
15624. Odontoschisma prostratum (Sw.) Trev.
On soil of steep slope above stream.

3 ✓
15625. Climacium americanum Brid.
On soil over rock along stream.

1 ✓
15626.
On soil along stream.

2. ✓
15627. Fissidens adianthoides Hedw. Fissidentaceae
On soil along stream; kept moist by water moving over them
↑ over rock

1 ✓
15628. Conocephalum conicum (L.) Lindb.
On soil over rock along stream.

August 4, 1998. Tennessee: Lawrence County. ca. 14.0 km north of Jacks Branch / highway 64 on east side of Natchez Trace.

2 ✓
15629. Conocephalum conicum (L.) Lindb.
On soil.

✓
15629a. Odontoschisma prostratum (Sw.) Trev. on soil along trail.

August 4, 1998. Tenneesee: Hickman County. Ca. 20 km southeast of Centerville on east side of Natchez Trace. Jackson Falls/

1 ✓
15630. Conocephalum conicum (L.) Lindb.
On thin soil over sandstone.

2 ✓
15630a. Porella pinnata L. attached to rock at base of falls. Jubulaceae

August 5, 1998. Missouri: Carter County. Blue Spring; ca. 6.5 km north of highway 60; on gravel road off county road 00. Along Jack's Fork River. T28N, R6W, S32. Lat. 37° 05' N, long. 91° 39' W. w/ Caleb Timme

1 ✓
15631. Scrophularia marilandica L. f. marilandica
Margin of woods near spring. Scrophulariaceae

2 ✓
15632. Vernonia arkansana DC.
Margin of woods near spring. Asteraceae.

1 ✓
15633. Polymnia canadensis L.
Rocky limestone woods near stream. Asteraceae

August 6, 1998. Kansas. Bourbon County. Ca. 1.5 km north of junction 69/39/7. T26S, R24E, S17. Roadside prairie; rocky soil.

4 ✓
15633a. Liatris punctata Hook.

August 6, 1998. Kansas: Crawford County. PSU Research Reserve. ca. 6.2 Km west of 69 highway and 3.5 Km east of highway 7. T31S, R24E, S4. Disturbed margin of woods (2nd growth).

2 ✓
15634. Colutea arborescens L. Fabaceae

August. 29. 1998. Missouri: Vernon County. Camp Clark National Guard Area; east/southeast of Nevada and east of highways K & 71. T35N, Lat. 37°50'N, Long. 94°18'W w/ Caleb Timme

2 ✓
15635. Aristida dichotoma Michx. Poaceae
Prairie

2 ✓
15636. Polygonum tenue Michx. Polygonaceae

1 ✓
15637 Desmodium perplexum B.G. Schub. Fabaceae
Prairie

2 ✓
15638 Riccia hirta

✓
15639. Humulus lupulus var. neomexicanus A. Nels. & Cockll.
Growing over other plants at margin of low woods.

September 17, 1998. Missouri: Barton County. Prairie State Park.

1 ✓
15640. Strophostyles leiosperma (Torr. & A. Gray) Piper
Fabaceae

1 ✓
15641. Vernonia gigantea (Walt.) Trel. ex Branner & Coville ssp. gigantea
Asteraceae

✓
15642. Aster oolentangiensis Riddell
Asteraceae

✓
15643 Leersia oryzoides
Poaceae

September 18, 1998. Missouri: Vernon County. Camp Clark National Guard facility east/southeast of Nevada and east of highways 71 and K. T35N. Lat. 37°50'N Long. 94°18'W.

3 ✓
15644.
Poaceae

✓
15645.
Poaceae

15645a. Panicum sphaerocarpon var. sphaerocarpon

15645b. Agrostis hyemalis var. hyemalis

15646.

Poaceae

October 25, 1998. Missouri: Vernon County. Camp Clark National Guard facility east/southeast of Nevada and east of highways 71 and K. T35N. Lat. 37°50'N ; Long. 94°18'W.
w/ Caleb Timme

3
15647. Asterella tenella
on sandy soil of prairie.

3
15648. Polytrichum ohioense Ren. & Card. Polytrichaceae
Among grasses on soil of sandy prairie.

1
15649 Fossombronia brasiliensis Steph. Fossombroniaceae
On sandy soil among prairie grasses of small prairie

February , 1999. MO: Miller County. Tan-Tara-A

2
15650. Fissidens
on soil in oak/hickory woods

2
15655.
On soil in oak/hickory woods.

3
15656.
On soil of road bank in oak/hickory woods.

March 23, 1999. Oklahoma - Murray County. Turner Falls. Arbuckle Mountains. Ca. 1.5 km west of I-35. Lat. 34°15'N, Long. 97°10'W; T2S, R1E, S36. Oak/Hickory/Pine Forest. Limestone outcrops. w/ Caleb Timme

3 ↓
15657.
On soil over rock of exposed bluff top.

3 ↓ M
15658.
On soil of south facing bluff.

3 ↓
15659. Conocephalum conicum (L.) Underwood
On boulders near falls.

2 ↓ M
15660.
In rock crevices of south facing bluff.

1 ↓
15661. Reboulia hemisphaerica (L.) Radd.
On boulders near falls.

1 m
15662. Funaria hygrometrica Hedw. Funariaceae
On soil at base of bluff and near falls.

3 m
15663.
On boulders scattered over south-facing slope.

2
15664. Marchantia papillata subsp. inflexa (Nees & Mont.) Schust.
On wet rocks near stream.

3 m
15665.
On boulders of southfacing slope.

3
15666. Marchantia papillata subsp. inflexa (Nees et Mont.) Schust.
On wet rocks near falls.

2
15667. Reboulia hemisphaerica (L.) Radd.
On moist soil over rocks of south facing slope.

2 m
15668.
On soil of southfacing slope.

2
15669.
On wet soil in small cave at base of bluff.

3
15670
On boulders sprayed by falls.

✓

15671. Marchantia papillata subsp. inflexa (Nees & Mont.) Schuster
On soil over boulders near falls.

* See pg. 139

March 26, 1999. Oklahoma: Delaware County. Natural Falls State Park. Ca. 11.2 KM west of jct. 59/412 and ca. 0.8KM south of hiway 59/412. Lat. 36°12'N, Long. 94°43'W. T20N, R24E, S31
Limestone outcrops and bluffs w/ Oak/Hickory/Pine ravine feed by Dripping Springs Branch.
w/ Caleb & Zach Timme

3 ✓
15672. Ulmus americana L. Ulmaceae
Near picnic shelter – disturbed ground.

3 ✓
15673. Lepidium campestre (L.) R. Br. Brassicaceae
Disturbed ground near footbridge at falls entrance.

3 ✓
15674. Luzula campestris var. bulbosa A. W. Wood.
On rocky soil along trail to falls. Juncaceae

3 ✓
15675. Draba brachycarpa Nutt. ex Torr. & A. Gray
Growing on soil among rock at the margin and in stream.
Brassicaceae

✓
15676. Not identifiable!
Growing on soil among rocks at margin and in stream.

2 ✓
15677. Thalictrum thalictroides (L.) A.J. James & B. Bolvin
On soil at base of SW facing slope near stream.
Ranunculaceae

2 ✓
15678. Cardamine pensylvanica Muhl. ex Willd.
On soil among rocks at margin of stream. Brassicaceae

3 ✓
15679. Hedyotis caerulea (L.) Hook. Rubiaceae
soil of disturbed ground and along trail to falls.

4 ✓
15680. Cerastium glomeratum Thuill.
On soil at base of SE facing slope near stream.

2 ✓
15681. Boechera missouriensis (Greene) Al-Shehbaz
On soil over boulders. Brassicaceae

1 ✓
15682. Cardamine parviflora L. var. arenicola (Britton) O.E. Schulz
On soil along lower stream.
Brassicaceae

1 ✓
15683. Stellaria media (L.) Vill. Caryophyllaceae
On soil along lower stream.

1 ✓
15684. Polystichum acrostichoides (Michx.) Schott
On soil along lower stream. Dryopteridaceae

1 ✓
15685. Packera aurea (L.) Á. Löve & D. Löve
On soil over rock along stream. Asteraceae

1 ✓
15686. Ranunculus abortivus L. Ranunculaceae
On soil in rich woods of stream floodplain.

1 ✓
15687. Asplenium trichomanes L. ssp. trichomanes
on soil in crevices of rocks of vertical slope. Aspleniaceae

✓
15688. Not identifiable !!
on soil along upper stream.

3 ✓
15689. Chailanthes lanosa (Michx.) D. C. Eaton
On thin soil over rocks of bluff ledges. Pteridaceae

3 ✓
15690. Bulbostylis capillaris (L.) Kunth
On soil along trail to falls. Cyperaceae

3 ✓
15691. Betula nigra L. Betulaceae
Margin of lower stream.

3 ✓
15692 Glecoma hederacea L. Lamiaceae
Soil base of SW facing slope along lower stream.

2 ✓
15693. Viola bicolor Pursh Violaceae
On soil near stream floodplain.

3r ✓
15694. Ranunculus cf. hispidus Michx.
On soil along lower stream. Ranunculaceae

1 ✓
15695. Viola sororia Willd. Violaceae
On rocky soil in woods along lower stream.

1 ✓
15696. Viola sororia Willd. Violaceae
On rocky soil in woods along lower stream.

1 ✓
15697. Prunus americana Marsh. Rosaceae
Margin of upper stream.

2 ✓
15698. Lamium purpureum L. Lamiaceae
On disturbed soil near sheltered picnic area.

* See pg. 141 to continue.

March 23, 1999. Oklahoma: Murray County. Turner Falls. South of Davis on west side of Hwy 77.
S36 T1S R1E, 36°25'N, 97°08'W Elev. 267m
w/ Linda, Caleb & Zach

1 ✓
15699. Draba cuneifolia Nutt. ex Torr. & A. Gray
On rock soil of glade area. Brassicaceae

1 ✓
15700 Myriophyllum heterophyllum Michx.
In stream near primitive camp area. Haloragidaceae

2 ✓
15701. Equisetum laevigatum A. Braun
Along stream of trail Equisetaceae

2 ✓
15702. Tetraneuris scaposa (DC.) Greene Asteraceae
Open disturbed ground of picnic area near primitive campground.

3 ✓
15703. Lesquerella ovalifolia Rydb. Brassicaceae
Open disturbed ground of picnic area near primitive campground.

2 ✓
15704. Collinsia violacea Nutt. Scrophulariaceae
On rocky soil in woods near upper stream.

1 ✓
15705. Phoradendron leucarpum (Raf.) Reveal & M.C. Johnst.
On oak tree trunk near upper stream. Viscaceae

1 ✓
15706. Erigeron philadelphicus L. Asteraceae
At margin of upper stream

1 ✓
15707. ~~Verbena~~ Glandularia bipinnatifida Nutt. Verbenaceae
On soil of disturbed ground in picnic area of upper campground.

March 24, 1999. Kansas: Sumner County. Margin of wheat field along highway 81 south of Caldwell. S11 T35S R3W. 37°01'N, 97°36'W; 337m
w/ Caleb & Zach

3 ✓
15708. Sisymbrium altissimum L. Brassicaceae

March 26, 1999. Continued from page 136 - Natural Falls State Park

3 M ✓
15709 Anomodon
On thin soil over rock along ledges.

2M ✓
15710
On soil of disturbed ground.

1 M ✓
15711.
On rocks in intermittent stream bed of lower area.

3 M ✓
15712 Frullania ericoides (Nees) Mont. Jubulaceae
On Sycamore at edge of lower stream.

3 M ✓
15713
On soil at margin of lower stream.

3 M ✓
15714. Polytrichum
On soil of glade area above falls.

2 ✓
15715. Conocephalum conicum
On wet rock of vertical slope below falls.

2 M ✓
15716
On wet rock of vertical slope below falls

3 M ✓
15717

On rocky soil along old road below falls.

1 M ✓
15718. Frullania

On tree trunk along upper stream.

3 M ✓
15719. Porella

On wet rocks in stream above falls.

2 M ✓
15720.

On moist rock along stream above falls.

2 M ✓
15721. Frullania

On rock along stream above falls.

2 M ✓
15722. Leucodon

On oaks along stream below falls.

3 M ✓
15723. Aulacomnium

Or rock ledges above stream below falls.

1 M ✓
15724. Frullania

On cedar near stream above falls.

3 M ✓
15725.

On soil over rock near stream below falls.

3 M ✓
15726.

On soil along stream below falls.

3 M ✓
15727. Ditrichum

On soil along old road below falls.

3 M ✓
15728.

On rock in intermittent stream below falls.

3 M ✓
15729.

On soil over rocks in intermittent stream above falls.

2 M ✓
15730.

On soil in dry open woods above falls.

1 M ✓
15731.

On soil along old road below falls.

2 M ✓
15732.

On soil along stream below falls.

3 M ✓
15733.

On oaks near stream below falls.

M ✓
15734.

On steep rocky bank along stream below falls.

3 M ✓
15735.
In stream below falls attached to roots.

✓
3 M
15736.
On bark of oaks along stream above falls.

3 M ✓
15737.
On wet rock along stream below falls.

March 31, 1999. Kansas: Crawford County. Lincoln Park.

2
15738.

3 M
15739. Physomitrium pyriforme (Hedw.) Hampe mixed with Camptothecium stellatum (Hedw.) C. Jens.
On soil near fence at east side of park.

3 M
15740. Plagiomnium cuspidatum (Hedw.) T. Kop. Mniaceae
On soil of road bank near community building.

15740a. Brachythecium laetum (Bride) B.S.G. Brachytheciaceae
3 M
15741.
On soil in park.

3 M
15742
On soil along fence on northwest side of park.

3 M
15743. Brachythecium laetum (Brid.) B.S.G. Brachytheciaceae
On soil over exposed rock in park.

2 M
15744. Entodon seductrix (Hedw.) C. Müll. Entodontaceae
On thin soil over exposed rock in park.

2 M
15745. Weissia controversa Hedw. Pottiaceae
On soil over exposed rock in park.

2 M
15746. Orthotrichum strangulatum P. Beauv. f. strangulatum
On thin soil over exposed rock in park. Orthotrichaceae

1
15747. Ulmus americana L.
Park.

2
15748. Betula nigra L. Betulaceae

2
15749. Populus deltoides Bartram ex Marshall ssp. deltoides Salicaceae

1
15750 Quercus palustris Muenchh. Fagaceae

15752. Liquidambar styraciflua L. Hamamelidaceae

15753. Quercus macrocarpa Michaux Fagaceae

15754. Fraxinus pennsylvanica Marshall Oleaceae

15755. Cardamine parviflora var. arenicola (Britt.) O. Schulz
Brassicaceae

15756 Sibara virginica (L.) Rollins Brassicaceae

15757 Alopecurus carolinianus Walt. Poaceae

15758 Chaerophyllum procumbens (L.) Crantz var. procumbens
15758a. Orthotrichum strangulatum P. Beauv. f. strangulatum on rock Orthotrichaceae
15758b. ~~Weissia controversa Hedw.~~ Pottiaceae
on disturbed soil. Desmatodon plant

April 8, 1999. Kansas: Crawford County, Pittsburg State University Campus.

15759. Liriodendron tulipifera L. Magnoliaceae

CM
15760. Quercus nigra L. Fagaceae

1
15761. Celtis occidentalis var. pumila (Pursh) A. Gray Ulmaceae

1
15762. Acer saccharum Marsh Aceraceae

1
15763. Quercus rubra L. var. rubra Fagaceae

1
15764. Betula papyrifera Marsh. Betulaceae

April 8, 1999. Missouri: ~~Bates~~ Vernon County. Camp Clark. National Guard Area. east-southeast of Nevada and just east of highway 71 & K. T35N Lat. 37°50'N, Long. 94°18'W

21
15765. Elaeagnus angustifolia L. Elaeagnaceae

32
15766. Amelanchier arborea (Michx. f.) Fern. Rosaceae
South road.

21
15767. Prunus angustifolia Marsh Rosaceae

2
15768. Lepidium virginicum L. Brassicaceae

1
15769. Antennaria parlinii Fern. Asteraceae
Prairie.

2
15770. Populus deltoides Bartram ex Marshall Salicaceae
Prairie. ssp. deltoides

1
15771. Betula nigra L.
Along intermittent stream in park.

3 m ✓
15772.
On soil of prairie (wet) -
2 ✓
15772a. Quercus stellata Wang. Fagaceae
✓
15773.
On wet soil of prairie.
✓

4
15774. Asterella tenella
On soil among grasses of prairie.

3 m ✓
15775.
On soil along intermittent stream in low woods.

2m ✓
15776. Polytrichum
Dry wood near road (south road).

2m ✓
15777.
On sandstone along road.

3m ✓
15778.
On wet soil near intermittent stream along south road.

3m ✓
15779.
On soil along intermittent stream in low woods.

3m ✓
15780. Leptodictyum humile (P. Beauv.) Ochyra Amblystegiaceae
On wet rock near intermittent stream at west end.

3m ✓
15781.
On wet rock near intermittent stream at west end.

3m ✓
15782.
On rock near intermittent stream at west end.

3m ✓
15783.
On soil along roadside.

3m ✓
15784.
On wet soil along intermittent stream in low woods.

3 M ✓
15785.
On exposed sandstone.

2 ✓
15786 Fossombronia
On soil in prairie.

1
15787. Riccia beyrichiana Hampe
On soil in prairie.

3
15788.
On exposed soil among grasses in prairie.

April 24, 1999. MO: Barry County. Roaring River State Park.
S34 T22N R27W; Lat. 36°36'N, Long. 93°50'W;
Elev. 376m. Between highway 112 and F.

2 ✓
15789. Fraxinus quadrangulata Michx. Oleaceae
Along River Trail.

1 ✓
15790. Ostrya virginiana (Miller) K. Koch Betulaceae

1 ✓
15791. Cladastris Kentuckea (Dumond de Courset) Rudd
Fabaceae

3 ✓
15792. Lamium amplexicaule L. white form
Lamiaceae

1 ✓
15792A. ~~Nyssa sylvatica Marsh~~. Rhamnus caroliniana Walt.

May 3, 1999. Arkansas: Benton Co., Sulphur Springs City Park. off Highway 59 ca. 1.6 Km South of Missouri State line. T21N, R33W, S32, Lat. 36° 29'N, Long. 94° 28'W.

3
15793.

1
15794. Reboulia hemisphaerica

3
15795.

May 8, 1999. KS: Barber County. ca. 5.0 Km southwest of Medicine Lodge, west of highway 281 and south of highway 160. S15 T32S R12W. Lat. 37° 15'N, Long. 98° 36'W Elev. 50m. w/ Lorrie Parrish.

2 ✓
15796. Callirhoe involucrata (T. & G.) A. Gray Malvaceae

2 ✓
15797. Pyrrhopappus grandiflorus (Nutt.) Nutt.
Asteraceae

15798. Sonchus asper (L.) Hill ssp. asper
Asteraceae

2 15799. Vitis rupestris Scheele
Vitaceae

15800.

2 15801 Astragalus distortus Torr. & A. Gray
Fabaceae

1 15802. Packera plattensis (Nutt.) W. A. Weber & A. Löve
Asteraceae

1 15803. Astragalus missouriensis Natt.
Fabaceae

3 15804. Lesquerella gordonii (A. Gray) S. Wats.
Brassicaceae

2 15805. Castilleja purpurea var. crinita (Pennell) Shinners
Scrophulariaceae

1 15806. Oxytropis lambertii Pursh
Fabaceae

15807. Sphaeralcea coccinea (Pursh) Rydb. Malvaceae

15808. Quincula lobata (Torr.) Raf. Solanaceae

15809. Allium drummondii Regel Liliaceae

15810. Vicia exigua T. & G. Fabaceae

15811. Astragalus lotiflorus Hook. Fabaceae

15812. Tetraneuris acaulis (Pursh) Greene Asteraceae

15813. Cryptantha minima Rydb. Boraginaceae

15814. Nuttallianthus canadensis (L.) D.A. Sutton Scrophulariaceae

15815 Penstemon buckleyi Pennell Scrophulariaceae

1 ✓
15816. Polygala senega L. Polygalaceae

1 ✓
15817. Lithospermum incisum Lehm. Boraginaceae

1
15818 Astragalus

1 ✓
15819. Sophora nuttalliana B.L. Turner Fabaceae

1 ✓
15820. Verbena (Glandularia) bipinnatifida (Nutt.) Nutt.
Verbenaceae

May 9, 1999. KS: Sumner County. Along Ryan Rd ca. 1.4 Km south of W. 180th St. S. S8 T35S R3W Lat. 37°01'N, Long. 97°39' W. Elev. 350m.

#1 ✓
15821. Buchloe dactyloides (Nutt.) Engelm. Poaceae

2 ✓
15822. Sisymbrium loeselii L. Brassicaceae

#4 ✓
15823. Astragalus missouriensis Nutt. Fabaceae

#
May 9, 1999. OK: Nowata County. ca. 1.6 km west of hiway 169 (Nowata) on south side of hiway 60. Prairie. S30 T26N R16E 36°41'N, 95°38'W Elev. 700'.

#1 ✓
15824. Castilleja purpurea (Nutt.) G. Don

2 ✓
15825. Ligustrum sinense Lour.

May 10, 1999. KS: Crawford County. On north side of highway 47 ca. 4.8 km west of jct. 3/47. S16, T29S R22E. Lat. 37°30'N. Long. 95°00'W. Elev. 290m.

#2 ✓
15825a. Zigadenus nuttallii A. Gray ex S. Wats. Liliaceae

✓ May 15, 1999. MO: Barton County. Prairie State Park. ca. 1.8 km N of W. Central Rd of left side of NW 150 Lane. S16 T32N R33W. 37°31'N, 94°34'W Elev. 880.

#1 ✓
15826. Phalaris caroliniana Walt.

3 ✓
15827. Agrostemma githago L. var. githago
Roadside ditch.

✓
June 2, 1999. MO: Jasper County. Wa-Sha-She Prairie. Ca. 0.6 Km east of Hwy 171 on N. side of Base Line Blvd. S31 T30N R33W. 37°18'N, 94°36'W. Elev. 900'.

3 ✓
15828. Platanthera lacera (Michx.) G. Don var. lacera

✓
15829. Calopogon oklahomensis D.H. Goldman Orchidaceae

✓
June 2, 1999. KS: Crawford County. ca. 2.4 Km N. of Hwy 126 on east side of Hwy. 7. S18 T30S R24E, 37°25'N 94°49'W. Elev. 965'

3 ✓
15830. Sedum pulchellum Michx. Crassulaceae
Field.

June 5, 1999. KS: Wilson County. Along Hwy 75 SW of Wilson Co. State Lake. S17 T27S R16E, 37°41'N, 95°40'W Elev. 935'.

1 ✓
15831. Onosmodium molle Michx.
Boraginaceae

June 8, 1999. KS: Labette Co. ca. 2.2 km east of jct. (166) 400 and 169 on south side of 166 (400). S14, T31S, R17E. 37° 20' N, 95° 30' W. Elev. 910'.

2. ✓
15832 Castilleja purpurea (Nutt.) G. Don Scrophulariaceae
Prairie-like roadside.

June 8, 1999. KS. Montgomery Co. Prairie between 5500 Rd and 5300 Rd on N. side of 1200 Rd. S17, T35S, R17E. 36° 59' N, 95° 33' W. Elev. 780'

4 ✓
15833 Castilleja purpurea (Nutt.) G. Don Scrophulariaceae

1 ✓
15834. Linum sulcatum Riddell Linaceae

1 ✓
15835. Amorpha canescens Pursh Fabaceae

2 ✓
15836. Hypericum perforatum L. Clusiaceae

12 ✓
15837. Rudbeckia amplexicaulis Vahl. Asteraceae

1 ✓
15838. Rudbeckia hirta L. var. pulcherrima Farw. Asteraceae

1 ✓
15839. Justicia americana (L.) Vahl Acanthaceae

81 ✓
15840. Allium canadense var. mobilense (Regel) Ownbey
Liliaceae

3 ✓
15841. Allium canadense L. var. canadense Liliaceae

1 ✓
15842. Physostegia virginiana L. Lamiaceae

2 ✓
15843 Sedum ternatum Michx. Crassulaceae

2
15844 Riccia

June 16, 1999. Alabama: Mobile County. Dauphin Island. South of Mobile on Hwy. 193. 30°14'N, 88°06'W Elev. 2'.

3 ✓
15845. Polygala lutea L. Polygalaceae
Margin of pine woods.

2 ✓
15846. Eriocaulon ravenelii Chapm. Eriocaulaceae
wet ditch near margin of pine woods.

2 ✓
15847. Paspalum floridanum Michx. Poaceae
Disturbed ground at Sea Lab.

3 ✓
15848. Cyrilla racemiflora L. Cyrilliaceae
Margin of pine woods.

1 ✓
15849. Hypericum myrtifolium Lam. Clusiaceae
Margin of pine woods.

2 ✓
15850. Rhexia alifanus Walt. Melastomataceae
Ditch near pine woods.

2 ✓
15851. Vernonia angustifolia Michx. Asteraceae
Savanna at margin of woods.

3 ✓
15852. Paspalum dilatatum Poir. Poaceae
Ditch at margin of woods.

2 ✓
15853 Pluchea rosea Godfrey Asteraceae
Ditch at margin of woods.

3 ✓
15854. Licania michauxii Prance Chrysobalanaceae
Oak/Pine woods behind dunes.

2 ✓
15855. Centrosema virginianum (L.) Benth. Fabaceae
Growing over ground and other vegetation in Pine/oak woods behind dune.

1 ✓
15856 Cnidoscolus stimulosus (Michx.) Engelm. & Gray
mesic oak/pine woods behind dunes.

3 ✓
15857. Chloris petraea Sw.
Roadside ditch.

2 ✓
15858. Lythrum lineare L. Lythraceae
wet ditch at margin of pine/oak woods.

2. ✓
15859. Verbena rigida (L.) Spreng. Verbenaceae
Roadside ditches.

3 ✓
15860. Rhexia mariana L. Melastomataceae
Ditch at margin of pine/oak woods.

1 ✓
15861. Sagittaria graminea Michx. Alismataceae
wet ditch.

1
15862
Margin of flatwoods.

Br ✓
15863 Sapium sebiferum (L.) Roxb. Euphorbiaceae
Margins of flatwoods.

2 ✓
15864. Scirpus robustus Pursh
wet roadside ditch. Cyperaceae

2 ✓
15865. Eriocaulon decangulare L. Eriocaulaceae
Margin of flatwoods.

3 ✓
15866. Hydrocotyle verticillata Thunb. Apiaceae
wet flatwoods.

3 ✓
15867. Tradescantia hirsutiflora Bush — Commelinaceae
Margin of fence row at sea lab.

4 ✓
15868. Gordonia lasianthus (L.) Ellis — Theaceae
Swampy woods.

2 ✓
15869. Ipomoea sagittata Poir. — Convolvulaceae
Open flatwoods.

2 ✓
15870. Richardia humistrata (C. & S.) Steud. — Rubiaceae
Disturbed ground at Sea Lab.

1 ✓
15871. Phyla nodiflora (L.) Greene — Verbenaceae
Open areas near dunes.

3 ✓
15872. Polypremum procumbens L. — Loganiaceae
Open areas at sea Lab.

2 ✓
15873. Wahlenbergia marginata (Thunb.) A. DC. — Campanulaceae
Open areas at sea lab.

21 ✓
15874. Uniola paniculata L. — Poaceae
Dunes.

2 ✓
15875. Heterotheca subaxillaris (Lam.) Britt. & Rusby
Dunes.

2 ✓
15876. Lantana camara L. Verbenaceae
open pine woods behind beach.

3 ✓
15877. Paronychia erecta (Chapm.) Shinners Caryophyllaceae
Dunes

2 ✓
15878. Galactia volubilis (L.) Britt. Fabaceae
open pine woods behind beach.

1 ✓
15879. Centrosema virginianum (L.) Benth. Fabaceae
open pine woods behind beach.

3 ✓
15880. Polygala grandiflora Walt. Polygalaceae
Flatwoods.

3 ✓
15881. Osmunda cinnamomea L. Cinnamon Fern
Moist Maritime woods. Osmundaceae Fern

15882. Elephantopus Asteraceae
Maritime woods.

✓
15883. Chasmanthium laxum (L.) Yates var. laxum Poaceae
Maritime woods at margin of swamp.
Slender Woodoats

June 16, 1999. Alabama : Mobile County : Dauphin Island.
Audubon Bird Sanctuary.

2
15884. Rhynchospora fascicularis (Michx.) Vahl Florida Beakrush
Margin of lake. Baldrush Cyperaceae

2
15885. Mikania
Growing over other vegetation at margin of swamp. Asteraceae

1
15886. Sacciolepis striata (L.) Nash American Cupscale
Margin of swamp in Maritime woods. Poaceae

3
15887. Vaccinium
Maritime woods. Ericaceae

3
15888 Vaccinium
Maritime woods. Ericaceae

1
15889. Croton
Maritime woods. Euphorbiaceae

2.
15890.
Maritime woods.

1
15891.
Sand Dunes.

3
15892. Pinus
Sand Dunes near margin of Maritime woods. Pinaceae

1
15893. Solidago
Sand Dunes. Asteraceae

3
15894.
Maritime woods.

2
15895.
Dunes.

1
15896.
Maritime woods. Smilacaceae

3
15897. Quercus geminata Small.
Maritime woods. Fagaceae

2
15898. Quercus
Maritime woods. Fagaceae

3
15899. Quercus
Maritime woods. Fagaceae

3
15900. Quercus
Maritime woods. Fagaceae

15901. Acer
Maritime woods. Aceraceae

1
15902. Smilax
Maritime woods. Smilicaceae

3
15903. Quercus
Margin of sand dunes and maritime woods. Fagaceae

3.
15904. Quercus
Sand dunes. Fagaceae

June 19, 1999. Alabama:
Ravine parallel to Alabama River

1
15905.
On thin soil over boulders along intermittent stream. Fern

z
15906.
On rock along intermittent stream. Fern.

z
15907.
On soil over rock at margin of intermittent stream.

3.
15908. Galium
On thin soil over rock along intermittent stream. Rubiaceae

3
15909.
On recently fallen tree over intermittent stream.

15910. Matelea Asclepidaceae
Growing over branches of log along intermittent stream.

1.
15911.
In woods along intermittent stream. Fabaceae

2.
15912. Tradescantia
On soil over rock along intermittent stream. Commelinaceae

4
15913. Ilex
Woods along intermittent stream. Aquifoliaceae

2
15914.
Woods along intermittent stream.

2
15915. Riccardia
On rotting log near intermittent stream.

1
15916.
On rocks along stream.

3
15917. Fissidens
On rocks along stream. Fissidentaceae

3.
15918.
On log across stream. Lejeuneaceae

3
15919. Thuridium
On log across stream Thuridiaceae

3
15920. Cololejeunea contractiloba
On palm fronds. Lejeuneaceae

2
15921.
On wet rocks along stream.

3
15922.
On wet rocks along stream.

1
15923. Conocephalum conicum
On wet rocks along stream. Conocepha

4
15924. Cephalozia catenulata
On log at margin of stream.

3
15925. Dumort
On wet rocks along stream.

4
15926. Porella pinnata
Attached to roots and rocks in stream.

3
15927.
On soil over rock along stream.

2
15928.
On log across stream.

2
15929. Leucodegonea clypeata
On bark of tree along stream. Lejeu Le

2.
15930. Frullania bunioi
On bark of tree along stream. Jubulaceae

1
15931. Frullania caviscqua
On bark of tree along stream.

2
15932.
On tree trunk in woods near stream.

1
15933.
On Taxodium along stream.

3
15934.
On log near stream.

15935. Marchantia
On wet rocks in stream. Marchantiaceae

3
15936.
On bark of recently fallen log.

1
15937.
On thin soil over rock.

June 20, 1999. Alabama: Mobile County. Dauphin Island.
"Airport Marsh"

3
15938.
Poaceae

1
15939.

1
15940. Juncus roemerianus Scheele Black Needle Rush
Marsh at Airport. Juncaceae

1
15941.
Fabaceae

4
15942. Cyperus retrorsus Chapm. Pinebarren Flatsedge
Flatwoods at Audubon trail. Cyperaceae

3
15943.

4
15944.

2
15945. Verbena

1
15946. Eleocharis flavescens (Poir.) Urb. Yellow Spikerush
Airport marsh. Cyperaceae

1
15947.
Fabaceae

4
15948.
Solanaceae

2
15949. Anagalis arvensis L. Scarlet Pimpernel
Disturbed areas. Primulaceae

2
15950. Asclepias
Growing over vegetation. Asclepidaceae

4
15951. Agalinis — Scrophulariaceae

2
15952. Ipoemea — Convolvulaceae

1
15953 Hydrocotyl

2
15954. Cuscuta — Cuscutaceae = Convolvulaceae

2
15955.

2
15956.

3
15957. — Scrophulariaceae

2
15958. — Brassicaceae

1
15959. — Fabaceae

2 15960.

2 15961 Spartina — Poaceae

2 15962.

2 15963. — Asteraceae

3 15964. Sabatia — Gentianaceae

3 15965. Ipoemea — Convolvulaceae

3 15966. — Mimosaceae

2 15967. Panicum — Poaceae

4 15968. — Solanaceae

2
15969. Physalis

Solanaceae

3
15970. Mollugo

1
15971.

1
15972. Ipoemea

Convolvulaceae

3
15973.

2
15974.

Poaceae

1
15975.

2
15976

2
15977.

3
15978.

June 22, 1999. Alabama: Mobile County. Dauphin Island.
Audubon Bird Sanctuary.

1
15979.

Fabaceae

1
15980 Quercus

Fagaceae

1
15981. Quercus

Fagaceae

3
15982.

3
15983. Panicum

Poaceae

2
15984. Quercus

Fagaceae

1
15985. Magnolia grandiflora

Magnoliaceae

1
15986. Asclepias — Asclepiadaceae
Sand dunes.

1
15987. — Asteraceae

2
15988.
Maritime woods.

1
15989. — Lythraceae

3
15990. — Ericaceae

3
15991. Quercus — Fagaceae

3
15992. — Fern

3
15993.

3
15994. Panicum amarum ELL. — Poaceae
Maritime woods – trail.

3 15995.
Maritime woods - near swamp. Poaceae

3 15996. Quercus
Fagaceae

2 15997. Pinus
Dunes at margin of maritime woods. Pinaceae

2 15998
Asteraceae

1 15999.
Maritime woods.

3 16000.

3 16001. Quercus
Sand dunes. Fagaceae

2 16002.

2 16003 Smilax
Smilicaceae

3
16004. Quercus nigra L. Water Oak
Fagaceae

1
16005. Quercus hemisphaerica Bartr.
Fagaceae

2
16006. Myrica cerifera L. Wax Myrtle
Near swamp in Audubon San
Myricaceae

2
16007. Cephalanthus occidentalis
Edge of lake.
Rubiaceae

1
16008. Ilex myrifolia Walt.
Aquifoliaceae

4
16009. Vaccinium
Ericaceae

2
16010 Vitis
Vitaceae

5
16011.

3
16012. Quercus
Fagaceae

2
16013. Quercus

Fagaceae

3
16014. Nyssa biflora Walt. Swamp Tupelo, Swamp Blackgum
Maritime woods. Nyssaceae

2
16015.
Sand dunes.

2
16016.

Lamiaceae

3
16017.

2
16018. Quercus hemisphaerica Bartr.

Fagaceae

2
16019. Quercus geminata Small

Fagaceae

4
16020.
Maritime woods.

2
16021. Ilex vomitoria

Aquifoliaceae

3
16022. Sematophyllum adnatum
On roots in sand.

3
16023. Ditrichum pallidum
On sand in Maritime woods.

2
16024. Lejeunea flava
On Magnolia grandiflora

3
16025. Sphagnum
On wet sandy soil in ditch near entrance to sanctuary.

June 23, 1999. Alabama: Mobile County. ca. 4.0 km south of highway 188 off Marine Laboratory Rd (University Rd). S29, T7S, R3W, Lat. 30° 24'N Long. 88° 17' W. Elev. ca. 2.0m.

2
16026. Sphagnum lescurii Sull. in Gray
Scrubby savanna.

2
16027. Sarracenia
Scrubby savanna.

2
16028. Hypericum
Scrubby savanna. Clusiaceae

2
16029. Linum
Scrubby savanna. Linaceae

z
16030. Sarracenia
Scrubby savanna.

z
16031.
Scrubby savanna.

z
16032.
Scrubby savanna.

1
16033.
Scrubby savanna. Cyperaceae

z
16034.
Scrubby savanna.

z
16035. Hypericum
Clusiaceae

z
16036. Buchnera
Scrubby savanna Scrophulariaceae

z
16037. Verbena
Verbenaceae

z
16038. Smilax
Scrubby savanna. Smilacaceae

1
16039. Hy
Scrubby savanna. Lamiaceae

1
16040. Sabatia
Gentianaceae

June 23, 1999. Alabama: Mobile County.

2
16041.

June 24, 1999. Alabama: Mobile County. Point aux Pins.

3
16042.
wet savanna-woods.

3
16044.
wet savanna-woods.

3
16045.
wet-savanna woods

4.
16046.
Savanna-woods.

1
16047. Asteraceae
Roadside (savanna) ditch.

3
16048 Hypericum
Savanna-woods. Clusiaceae

3
16049.
Savanna-woods.

3
16050.
Savanna-woods

1
16051.
Along roaside. Convolvulaceae

3
16052. Lycopodium
Lycopodiaceae

1
16053
Margin of swamp.

1
16054. Nymphaea
Swamp. Nymphaceae

3
16055.
Wet ditch along swamp woods.

1
16056. Taxodium
Margin of swamp. Taxodiaceae

2
16057.
Wet ditch adjacent to savanna.

1
16058.
Savanna-woods.

2
16059. Magnolia
Swamp woods. Magnoliaceae

1
16060. Hydrocotyl
ditch near savanna-woods.

2
16061.
standing water near road.

2
16062. Drosera
Savanna.

3
16063.
Edge of bay - about 8 Km from bank.

2
16064.
Salt Flats.

2
16065.
Margin of salt flat.

3
16066. Polygala
Savanna. Polygalaceae

2
16067. Rhexia
Savanna-woods. Melastomataceae

2
16068. Rhexia
Savanna-woods. Melastomataceae

2
16069. Polygala
Savanna. Polygalaceae

3
16070. Xyris
Savanna. Xyridaceae

2
16071. Rhexia
Savanna-woods Melastomataceae

3
16072. Paspalum
Open woods adjacent to salt flats. Poaceae

4
16073.
Open woods adjacent to salt flats. Poaceae

2
16074.
Open woods adjacent to salt flats.

2
16075.
Savanna-woods.

3
16076.
Savanna-woods.

2
16077.
Margin of savanna.

2
16078.
Margin of savanna-woods.

1
16079. Polygala
Savanna. Polygalaceae

2
16080. Hibiscus
Savanna. Malvaceae

2
16081.
Salt flats.

June 30, 1999. Alabama: Mobile County. Dauphin Island.

2
16082.
Ditch. Cyperaceae.

3
16083. Phlox
Margin of maritime woods. Polemoniaceae

1
16084. Hyptis
Ditch adjacent to maritime woods. Lamiaceae.

2
16085. Ipoemea
Sand dunes. Convolvulaceae

3
16086. Galium
Disturbed ground at edge of camp ground. Rubiaceae

1
16087.
Disturbed ground at margin of woods near Verril Dock. Poaceae

3
16088. Pteridium
maritime woods.

2
16089. Polypodium
On live oaks at Cadillac Park.

4.
16090. Polygala grandiflora
Disturbed ground at sea Lab. Polygalaceae

2
16091. Portulacca
Margin of Mobile Bay near Fort Gaines.

3
16092.
Disturbed ground adjacent to camp ground. Lamiaceae

2
16093. Wisteria
Disturbed ground near abandoned houses at Sea Lab. Fabaceae

2
16094.
Disturbed ground near abandoned houses at
Sea Lab. Poaceae

2
16095. Xanthoxylum
Sand dunes at golf course. Rutaceae

3
16096. Cenchrus
Sand dunes at public beach. Poaceae

3
16097. Euphorbia
Margin of maritime woods. Euphorbiaceae

2
16098. Smilax
Margin of maritime woods. Smilicaceae

1
16099. Salvia lyrata
Margin of maritime woods. Lamiaceae

1
16100. Rhus
Disturbed ground at Sea Lab. Anacardiaceae

2
16101 Rosa
Disturbed ground near abandoned houses at Sea Lab. Rosaceae

2
16102. Zanthoxylum
Disturbed ground near abandoned houses at Sea Lab. Rutaceae

3
16103.
Sand dunes at margin of maritime woods.

2
16104. Oenothera
Sandy pine woods just south of sea lab. Onagraceae

2
16105. Diodia
Sandy pine woods just south of Sea Lab. Rubiaceae

16106. Helinium
Sandy pine woods just south of Sea Lab. Asteraceae

1
16107. Opuntia
Sandy pine woods just west of sealab. Cactaceae

July 1, 1999. Florida: Joe State Park. — Port St.

2 16108.
Submerged in bay.

3 16109.
Submerged in bay.

2 16110.
At edge of bay.

July 2, 1999. Florida: St. Andrews

2 16111. Pinus
Sand dunes. — Pinaceae

2 16112.
Sand dunes. — Poaceae

3 16113. Pinus
Sand dunes. — Pinaceae

July 7, 1999. Alabama:
Wildlife Preserve.

w/ J. & N. Cook & Caleb.

1
16114. Taxodium
Nearly dry swamp. Taxodiaceae

1
16115. Taxodium
Nearly dry swamp. Taxodieae

3
16116. Pinus
Maritime woods. Pinaceae

2
16117. Pinus
Maritime woods. Pinaceae

2
16118.
Maritime woods.

2
16119.
Margin of maritime woods.

3
16120.
Margin of maritime woods.

2
16121.
Margin of maritime woods.

1
16122. Lygodium
Growing over vegetation in maritime woods.

2
16123. Quercus
Sand dunes. Fagaceae

3
16124. Quercus
Maritime woods. Fagaceae

2
16125. Pinus
Maritime woods. Pinaceae

3
16126.
Wet area near swamp.

1
16127. Pleuc
Open maritime woods. Asteraceae

2
16128.
Open maritime woods - marsh. malvaceae

2
16129. Clitoria
Maritime woods. Fabaceae

3
16130. Spartina
Marsh Poaceae

4
16131. Tillansia

Bromel

July 8, 1999. Alabama: Mobile County. Sand Island.

1

2
16132. Hydrocotyl.
low moist sandy areas.

1
16133.
Dunes.

Poaceae

1
16134.
Margin of inland body of water.

1
16135. Spartina
Dunes and edge of brackish water

Poacea

1
16136.
Sand swales.

16137.
Dunes.

Fabaceae

2
16138.
Margin of brackish inland water.

3
16139.
Margin of brackish inland water.

16140. Sabatia
Low swale areas. Gentianaceae

2
16141.
Margin of beach and dune. Brassicaceae

July 14, 1999. Alabama: Mobile County. Dauphin Island.

2
16142.
Open pine woods near lecture rooms at the Sea Lab.

2
16143.
Edge of pine woods near lecture rooms at sea lab.

2
16144.
Back dunes at margin of pine woods near lecture hall at sea lab.

2
16145.
Pine woods near lecture hall at sea lab.

2
16146.
Disturbed ground at house near swimming pool.

1
16147.
Maritime woods west of swimming pool. Asteraceae

1
16148. Quercus
Just north of swimming pool; disturbed ground. Fagaceae

1
16149.
Just north of swimming pool; disturbed ground.

1
16150. Zanthoxylum
Near abandoned houses at sea lab. Rutaceae

3
16151.
Growing over vegetation just north of Vitaceae
swimming pool and at west side of house at sea lab.

2
16152. Quercus Fagaceae
Disturbed ground near abandoned houses at sea lab.

2
16153. Pinus
Disturbed ground at sea lab. Pinaceae

3
16154.
Growing under deck at house # 9 at sea lab.

2
16155. Croton
Growing at edge of deck at house # 8 at sea lab. Euphorbiaceae

2
16156. Hypericum
Ditch at margin of Maritime woods. Clusiaceae

1
16157.
Disturbed ground near house # 8 at sea Lab.

1
16158.
Along Bienville Dr. Apocynaceae

1
16159.
Margin of maritime woods. Lamiaceae

2
16160. Physalis
Along boardwalk at Estuarium. Solanaceae

2
16161.
Along fencerow west of house # 8 at
Sea Lab. Malp

2
16162. Caladium
Maritime woods - marsh area.

2
16163.
Edge of maritime woods.

1
16164.
Edge of maritime woods.

3
16165. Melia
Disturbed ground at sea lab.

3
16166. Quercus
Cadilac Park. Fagaceae

July 15, 1999. Alabama: Mobile County. Dauphin Island Sea Lab grounds.

3
16167 Weissia controversa
On soil scattered throughout lab.

3
16168. Ceratodon purpureus
On exposed soil scattered on south part of Lab.

2
16169. Entodon seductrix
On roots of Quercus virginiana at Sea Lab.

July 15, 1999. Alabama: Mobile County. Dauphin Island. Airport marsh.

3
16170.
Open ground just north of parking area.

July 15, 1999. Alabama: Mobile County. Dauphin Island. Along Bienville Blvd. east of highway 193. Lat. 30° 15'N, Long. 88° 05'W; Elev. ca. 2.0m.

3
16171. Sphagnum lescurii Sull. in Gray
Ditch of roadside. Sphagnaceae

3
16172. Ditrichum pallidum
Ditch of roadside. Ditrichaceae

July 15, 1999. Alabama: Mobile County. Dauphin Island. Cadilac Park.

3
16173. Lejeunea lactevirens
on Quercus chapmanni.

16174. Semelophyllum adnatum
On bark at base of Pinus elliottii.

2
16175.
Base of Quercus virginiana.

2
16176. Pylaisiella selwynii
on horizontal branch of Quercus virginiana.

3
16177. Entodon seductrix
Base of Quercus virginiana.

3
16178. Leucobryum albidum
On exposed roots of Quercus virginiana.

July 16, 1998. Alabama: Mobile County. Dauphin Island. Audubon Bird Sanctuary.

Maritime woods and Sand Dunes.

1
16179. Odontoschisma minutissima
On bark of Pinus sp.

3
16180. Lejeunea flava
On Quercus sp.

2
16181. Frullania ericoides m/w Lejeunea laetevirens
On Quercus sp.

3
16182. Sematophyllum adnatum
On log in maritime forest.

4
16183. Leucobryum albidum
On sand at margin of dunes and maritime woods.

2
16184. Frullania kunzei
Bark of Quercus sp.

2
16185. Campylopus sxiraeensis m/w Lejeunea flava
On sand at margin of dunes and maritime woods.

1
16186.
On tree in maritime woods.

3
16187. Frullania ericoides
On Quercus roots of back dunes.

1
16188. Lejeunea flava
On log in pine flatwoods.

3
16189. Octoblepharum prostratum m/w Leucobryum albidum
On bark at base of Quercus in pine flatwoods.

2
16190. Leucobryum albidum
On sand in pine flatwoods.

2
16191. Leucobryum albidum
On roots in sand of back dunes.

4
16192. Lejeunea flava
On bark of Quercus sp. in pine flatwoods.

3
16193. Pylaisia selwynii
At base of Magnolia grandiflora at edge of dunes.

2
16194.
At base of Quercus sp. at edge of dunes.

3
16195. Lejeunea glaucescens m/w Pylaisia selwynii ^ Leucobryum albidum
On log in pine flatwoods.

July 29, 1999. Missouri - Barton County. Prairie State Park.

1
16196. Liatris pycnostachya

July 31, 1999. Missouri, Pickle Springs Natural Area.

2
16197. Pinus virgin
On soil over sandstone of bluffs. Pinaceae

1
16198. Amelanc
Upland woods. Rosaceae

1
16199.
Disturbed ground at trail entrance.

2
16200.
Rich woods along trail near entrance.

1
16201. Viburnum
Rich woods in ravine. Caprifoliaceae

2
16202.
Margin of woods at trail entrance.

1
16203. Carya
Margin of Parking lot. Fagaceae

2
16204. Alnus
Margin of ~~sp~~ stream at Pickle Spring.

3
16205. Goodyera
Rich wooded slopes. Orchidaceae

2
16206.
Along stream and wooded slopes. Ericaceae

1
16207.
Wooded slopes. Scrophulariaceae

1
16208. Quercus
Fagaceae

March 19, 2000. AL. Franklin County west of highway 17 and 3/4 mi east of county Rd. 8. Dismals Wonder Garden (canyon). T8S R12W Lat. 34°19'N, Long. 87°46'W, 266m

✓ 16209. Hamamelis virginiana L. Hamamelidaceae
Along stream.

→ Also see pg. 210 for bryophytes.

March 20, 2000. AL: Clarke County. Along Highway 43 roadside at margin of Pine woods ca. 11 km north of Grove Hill. S15, T9N, R3E; Lat. 31°44'N, Long 87°45'W; Elev. 126m.

✓ 16210. Rhododendron canescens (Michx.) Sweet.
Ericaceae

March 22, 2000. AL: Mobile County. Dauphin Island.
On east end of Island just off Bienville Blvd.
Lat. 30°14'N, Long. 88°05'W.
Audubon Trail - Oak-Pine Flat woods.

16211.

16212.

16213. Vaccinium stamineum L. Ericaceae

16214.

16215. Vaccinium arboreum Marsh. Ericaceae

[illegible].
March 22, 2000. AL: Clarke Co., east side of highway 43
ca. 1.6 km south of Wagarville (junct. 56) at
rest stop. T5N, R1W Lat. 31°25'N, Long. 88°01'W.
Elev. 17m.

16215a.

16215b. On log.

On Cornus florida

March 22, 2000. AL: Mobile Co., Airport Marsh, northwest of Bienville St. Lat. 30° 15' 12" N, Long. 88° 07' 82" W. Elev. 0m.

16216. Melilotis indica (L.) All. Fabaceae

16217. Vicia ludoviciana Nutt. Fabaceae

16218.

16219. Trifolium aureum Pollich Fabaceae

16220. Valerianella radiata (L.) Dufr. Valerianaceae

16221.

16222. Solidago

16223. Medicago polymorpha L. Fabaceae

16224. Sisyrinchium atlanticum E. P. Bicknell Iridaceae

[illegible].

March 22, 2000. AL: Mobile Co., Dauphin Island. just west of highway 193 on southside of Bienville Ave. Edge of wooded area. 30° 15' 20" N, Long. 88° 06' 96" W Elev. 1.8m

2 ✓ 16225. Chionanthus virginicus L. Oleaceae

March 23, 2000. AL: Baldwin Co. Along Pine Beach Road south of highway 180 (Ft. Morgan Rd.). S24 T9S R2E, 30° 14' N, 87° 49' W.

4 ✓ 16226. Briza minor L. Poaceae

2 ✓ 16227. Gelsemium rankinii Small Loganiaceae

16228.

1 ✓ 16229. Gamochaeta purpurea (L.) Cabrera Asteraceae

2 ✓ 16230. Lygodium japonicum (Thunb.) Sw. Schizaeaceae

1 ✓ 16231. Vaccinium myrsinites Lam. Ericaceae

3 ✓ 16232 Lyonia lucida (Lam.) K. Koch Ericaceae

April 27, 2000. MO: Vernon Co., Camp Clark. East Southeast of Nevada and just east of highway 71. S 12 ~~&~~ T35N R31W. Lat. 37° 49'N, Long. 94° 17' W. Elev. 263m.
w/ Lorrie Rayburn

1 16233. Asimina triloba (L.) Dunal — Annonaceae
✓ Oak-Hickory woods.

2 16234. Dicentra cucullaria (L.) Bernh. — Fumariaceae
Oak-Hickory woods.

1 16235.
On sandstone along stream.

16236. Fossombronia
On soil among grasses of prairie.

3 16237. Asterella tenella
On soil among grasses of prairie.

2 16238.
On sandstone along stream.

2 16239
On sandstone along stream.

2 16240.
On sandstone along stream.

~~1 16240a. Astragalus distortus T & G.~~ — ~~Fabaceae~~

April 28, 2000. MO. Jasper Co. just south of Carl Junction on east side of highway JJ at Center Creek bridge - Missouri Dept. of Conservation access area. Rocky, Oak-Hickory north facing slope. S12 T28N R34W. Lat. 37°09'N, Long. 94°34'W, Elev. 264m.

2 ✓ 16241. Botrychium virginiana (L.) Sw.

3 ✓ 16242. Cystopteris protrusa (Weath.) Blasdell Dryopteridaceae

May 4, 2000. MO: Barton Co., Prairie State Park. North of Mindenmines. S20 T32N R33W. Lat. 37°30'E, Long. 94°34'W. Elev. 275m.
w/ Lorrie Rayburn.

2 ✓ 16243. Antennaria neglecta Greene Asteraceae

1 ✓ 16244. Pedicularis canadensis L. Scrophulariaceae

2 16245. Packera plattensis (Nutt.) W.A. Weber & Á. Löve Asteraceae

2 ✓ 16246. Viola sagittata Ait. Violaceae

2 16247.

On bank along stream.

z
16248.

1
16249.
On soil of stream bank.

z
16250. Frullenia
On base of Quercus palustris.

3
16251. Asterella tenella
On soil in prairie among grasses.

z
16252
On soil along stream.

3
16253. Physcomitrium pyriforme
On soil in prairie among grasses.

z
16254.
On soil along stream.

1
16255.
On soil along stream.

z 16255a.
[redacted]. Phacelia hirsuta Nutt. Hydrophyllaceae

1
16255b. Viola

May 6, 2000. KS: Sumner Co. South Milan Rd ca. 1.4 km south of W. 190th St. S. 1/4 S18 T35S R3W. Lat. 37°00'N Long. 97°40'W; Elev. 345 m.

2 ✓
16256. Ophioglossum engelmannii Prantl. Ophioglossaceae
Wet depression in pasture - disturbed prairie.

2.
16257. Brassicaceae
Along roadside.

2
16258. Brassicaceae
Along roadside.

2
16259. Androstephium caeruleum (Scheele) Torr. Liliaceae
Along roadside.

1
16259a. Sisymbrium officinale (L.) Scop. Brassicaceae

1 ✓
16260 Allium drummondii Regel Liliaceae
in pasture - disturbed prairie.

2 ✓
16261. Astragalus missouriensis Nutt. Fabaceae
Along roadside.

1 ✓
16262. Sisyrinchum campestre E.P. Bicknell Iridaceae
Along roadside.

1 ✓
16263. Corydalis micrantha (Engelm. ex A. Gray) A. Gray Fumariaceae
Disturbed roadside.

2 ✓
16264. Lithospermum incisum Lehm. Boraginaceae
Disturbed prairie.

3 ✓
16265. Astragalus ~~crassicarpus Nutt.~~ lotiflorus Hook. Fabaceae
Disturbed prairie.

2 ✓
16266. Androstephium caeruleum (Scheele) Torr. Liliaceae

March 20, 2000. AL: ~~Franklin~~ CLARKE Co. additions from pg. 202.

1
16267. Selaginella
On wet soil at base of sandstone bluff.

4
16268. Bazzania trilobata
On sandstone boulders and vertical sandstone.

2
16269.
On sandstone boulders.

1
16270.
On tree trunk.

2
16271.
On soil in woods. w/sporophytes.

1
16272. Pallavicinia
On ledge of wet sandstone bluff.

1
16273.
On wet soil near base of sandstone bluff.

1
16274. Conocephalum conicum
On wet soil and rock at base of sandstone bluff.

3
16275.
On log.

2
16276.
On ~~log~~ thin soil over sandstone.

3
16277. Sphagnum
On very wet soil at base of sandstone bluff.

1
16278.
On moist, shaded vertical sanstone.

1
16279.
On wet sandstone ledge.

1
16280
On vertical sandstone - shaded.

16281. Odontoschisma
On wet vertical sandstone.

May 14, 2000. KS: Barbour Co., short-grass prairie of gypsum hills. southwest of Medicine Lodge and west of highway 281 along Woodward Rd. S22, T32S R12W. Lat. 37°14'N, Long. 98°36'W, Elev. 450m. w/caleb T.

16282. Euphorbia obtusata Pursh — Euphorbiaceae

16283.

16284. Baptisia australis var. minor (Lehm.) Fernald — Fabaceae

16285. Yucca — Liliaceae

16286. Asclepias — Asclepidaceae

16287. Penstemon cobaea Nutt. — Scrophulariaceae

16288. Oenothera macrocarpa subsp. Oklahomensis — Onagraceae

16289. Sphaeralcea coccinea (Pursh) Rydb. — Malvaceae

16290 Quincula lobata (Torr.) Raf. — Solanaceae

16291. Hybanthus verticillatus (Ort.) Baill. — Violaceae

16292. Oxytropis lambertii Pursh. — Fabaceae

16292a.

16293. Erigeron bellidiastrum Nutt. — Asteraceae

16294. Calylophus serrulatus (Nutt.) Raven — Onagraceae

16295. Hymenopappus scabiosaeus var. corymbosus (T. & G.) B. L. Turner — Asteraceae

16296. Allium canadense L. — Liliaceae

16297. Artemesia ludoviciana Nutt. — Asteraceae

16298. Linum rigidum Pursh — Linaceae

16299. Packera plattensis (Nutt.) W. A. Weber & Á. Löve — Asteraceae

16300. Artemesia filifolia Torr. — Asteraceae

16301 — Fabaceae

16302. Ulmus — Ulmaceae

16303. Prunus angustifolia Marshall — Rosaceae

16304. Astragalus crassicarpus Nutt. — Fabaceae

16305. Gaillardia suavis (A. Gray & Engelm.) Britton & Rusby — Asteraceae

16306. Plantago patagonica Jacq. — Plantaginaceae

2 ✓
16307. Astragalus racemosa Pursh — Fabaceae

1
16308. Oenothera laciniata Hill — Onagraceae

2 ✓
16309. Plantago patagonica Jacq. — Plantaginaceae

3 ✓
16310. Gaura coccinea Pursh — Onagraceae

2 ✓
16311. Tradescantia bracteata Small — Commelinaceae

May 16, 2000. MO: Jasper Co. Wildcat Chert Glade. Off Murphy Rd. South of I44 and East of Reddings Mill Rd (Main St; highway 96) SE/4 S27 T27N R33W. Lat. 37°01'N, Long. 94°31'W; Elev. 285m. w/ Lorrie Rayburn and Debbie Gilchrist

4 ✓
16312. Carex shortiana Dewey — Cyperaceae
Wet soil near intermittent stream.

May 16, 2000. MO: Jasper Co. Center Creek Conservation Area Southwest of Carl Junction. Off highway JJ. S.12 T28N R34W. Lat. 37°09'N, Long. 94°34'W, Elev. 261m.

w/ Lorrie Rayburn and Debbie Gilchrist

3
16313 — Asteraceae

2 ✓ 16314. Vicia sativa L. Fabaceae

1 ✓ 16315. Asarum canadense L. Aristolochiaceae

2 16316. Juglandaceae

2 ✓ 16317. Staphylea trifolia L. Staphyleaceae

1 16318. Euonymus alatus (Thunb.) Siebold Celastraceae

2 ✓ 16319. Quercus prinoides Willd. Fagaceae

1 ✓ 16320 Smilax ecirrhata (Engelm. ex Kunth) S. Watson Smilaceae

21 ✓ 16321. Botrychium virginianum (L.) Sw. var. virginianum Ophioglossaceae

2 ✓ 16322. Asclepias quadrifolia Jacq. Asclepiadaceae

4 16323. Carex davisii Schwein & Torr.

1 ✓ 16324. Pogonatum biflorum var. commutatum (Schutt. f.) Morong Liliaceae

May 20, 2000. MO: Jasper Co., Wildcat Glade. Off Morphy Rd. South of I44 and East of Reddings Mill Rd. (highway 86, Main St.). SE¼ S27 T27N R33W; Lat. 37°01'N, Long. 94°31'W; Elev. 285m.

16325. Rumex
Along trail.

16326. Plantago
Along trail.

16327.
Parking area.

16328. Tradescantia
Scattered over glade.

16329.
Along trail near parking area.

16330. Plantago
Along trail near parking area.

16331. Galium
Near large boulders a trail head.

16332. Triodanus
Scattered over glade.

16333. Chaerophyllum
Along trail margin at edge of woods.

2.
16334.
Scattered along trail near trail head and over glade.

16335. Phacelia
Sporatic over glade.

2
16336.
Parking area.

1
16337.
Parking area and scattered over glade.

2
16338. Panicum
Scattered over glade near trail.

2
16339. Quercus
Woods and scattered on glade.

1
16340. Allium
Abundant on thin soil over chert.

1.
16341
Poaceae
Common along trail.

16342. Dianthus
Common over deeper soils of glade.

16343.
Asteraceae
Common over glade.

16344. Marshallia
Common over glade.

16345. Erigeron
Common over glade.

16346. Parthenocissus
Common in low woods near intermittent stream.

16347. Penstemon
Infrequent in woods near intermittent stream.

16348.
Scattered over glade.

16349.
Poaceae
In oak/hickory, rocky woods.

16350.
Poaceae
Margin of intermittent stream. Locally abundant.

2
16351.
On soil over rocks in intermittent stream.

2
16352. Carya
In woods. Abundant.

1
16353.
Along intermittent stream.

1
16354. Galium
In oak/hickory woods near intermittent stream.

3
16355. Fabaceae
Scattered over glade.

2.
16356. Carya
Oak/hickory woods.

2
16357. Quercus
woods and scattered over glade.

2
16358. Poaceae
Along trail near back of area.

2
16359. Prunus
Margin of woods.

3
16360. Smilax
Frequent over glade.

1
16361. Achillea millefolium
Scattered over glade.

1
16362. Achillea millefolium var. millefolium f. roseum
Shaded lower part of glade. Rand & Redf.

3
16363. Monarda
Woods near intermittent stream.

4
16364.
Margin of rocky, intermittent stream.

16365. Vitis
Oak/hickory woods near intermittent stream.

3
16366. Quercus
Common in woods near intermittent stream.

2
16367. Psoralea
Common along trail and open woods.

16368. Delphinium
Shaded areas along trail and open woods near intermittent stream.

1
16369. Quercus
Woods near intermittent stream.

2
16370.
Scattered over glade.

2
16371. Sassafras
Scattered over glade.

2
16372. Coreopsis
Abundant over glade.

2
16373. Sedum
Common on thin soil over chert.

3
16374. Allium
Common over glade.

3
16375. Sedum
Common on thin soil over chert.

1
16376. Talinum
On thin soil over chert.

1
16377. Oenothera
Scattered over glade.

3
16378. Panicum
Scattered ~~xxx~~ in woods.

3
16379 Fraxinus
Common over glade.

1
16380. Quercus
Common in oak/hickory woods.

3
16381 Poaceae
Along trail.

3
16382.
Wet depressions.

2
16383 Poaceae
Along trail.

1
16384. H Asteraceae
In oak/hickory woods

2
16385. Poaceae
Along trail at margin of woods.

16386.
Wet area near intermittent stream.

2
16387
Wet area at margin of intermittent stream.

16388. Rubus
Scattered to locally abundant over glade.

16389. Poaceae
Scattered over glade.

2
16390. ~~Amorpha~~ Amorpha fruticosa Fabaceae
Along intermittent stream.

2
16391. Potentilla
Beneath trees in lower glade.

3
16392.
Along intermittent stream.

16393. Valerianella
Scattered over glade.

2
16394. Viburnum
Along intermittent stream.

1
16395. Symphorocarpus
Near intermittent stream.

2
16396. Amsonia
Along intermittent stream in open.

2
16397.
At margin of intermittent stream.

3
16398. Poaceae
Along intermittent stream.

2
16399. Poaceae
Scattered over glade.

2
16400.
Shaded margin of intermittent stream.

3
16401. Rosa
Shaded margin of intermittent stream

2
16402.
Shaded margin of intermittent stream.

1
16403. Juglans nigra
Along intermittent stream.

2
16404. Rhus
Along stream and scattered on chert.

*See May 28 pg. 226
May 27 pg. 226

May 31, 2000. MO: Jasper Co. Wildcat Glade

w/ Lorrie Rayburn

1 16405
on soil over chert. Fern

1 16406.
Growing in mud over wet rock in intermittent stream.

2 16407. Alisma Alismataceae
Growing in mud over wet rock in intermittent stream

1 16408. Tephrosia Fabaceae
Growing over glade.

1 16409. Geum Rosaceae
Growing at edge of oak/hickory woods and glade.

May 28, 2000. AR:

Roadside park. w/ Caleb Timme

16410. Fabaceae

16411. Ranunculus Ranunculaceae
wet ditch.

16412. Poaceae
wet drainage ditch.

16413
Disturbed ground.

May 27, 2000: MS:

Zoo

16414. Ligustrum

16415.

16416.

May 27, 2000. MS.

Roadside Park.

16417.

16418. Galium

16419.

Jonel
~~[illegible]~~, 2000. MO. Jasper Co. Wildcat Glade.

w/ caleb Timme

2
16420
,

16421. Coreopsis palmata

July 17, 2000. KS: Crawford Co. ca. 8.0 km west of 69 highway and ca. 3.2 km east of highway 7 near Cherokee. In prairie ditch along roadside. NE¼, S17, R24E, T31S.

3 16422. Astragalus canadensis — Fabaceae

July 22, 2000. KS: Marion County. City Park.

1 16423.

1 16424.

July 23, 2000. KS. Marion County. Marion County State Lake.

1 16425. Vernonia — Asteraceae

2 16426. Dalea — Fabaceae

16427.

16428.

16429. Andropogon — Poaceae

16430. Asclepias — Asclepidaceae

16431. — Poaceae

16432 — Poaceae

16433. Dalea — Fabaceae

16434. Cephalanthus occidentalis — Rubiaceae

16435. — Lamiaceae

16436. Mentzelia

16437. Polygonum — Polygonaceae

16438. — Asteraceae

16439. Stenosiphon — Onagraceae

16440. Dalea — Fabaceae

July 25, 2000. KS: Crawford Co. Edge of colvert on east side of Meadow Brook Mall.

2
16441.

3
16442. Dipsacus — Dipsaceae

July 26, 2000. KS: Butler County. Ca. 1.6 km east of Leon. Along roadside of Kansas highway 400.

1
16443. Verbena — Verbenaceae

1
16444. Salvia — Lamiaceae

1
16445. Euphorbia — Euphorbiaceae

July 26, 2000. KS: Reno County.

1
16446. Amaranthus — Amaranthaceae

16447. Commelina — Commelinaceae

July 26, 2000. KS: Crawford County. Sperry Nature Center.

16448. Scutellaria — Lamiaceae

July 30, 2000. MN. Vicinity of Bemidji.

16449. — Lamiaceae

wet ditch along highway 71 ca. 3.2 km north of Bemidji.

16450. — Asteraceae

16451.

16452. Equisetum

16453. Campanula — Campanulaceae

2
16454. Asteraceae
Ditch along highway 71 ca. 3.0 km north of Bemidji.

16455.

'
16456. Eupatorium Asteraceae

'
16457. Brassicaceae
Ditch along highway 71 ca. 3.0 km north of Bemidji.

'
16458 - Campanula
Campanulaceae

2
16459. Acer
Aceraceae

'
16460.

'
16461

2
16462. Galium
Rubiaceae

16463.

16464. Brassicaceae

16465. Lamiaceae

16466. Centaurea Asteraceae

16467.

16468. Lotus Fabaceae

16469. Lamiaceae

16470.

16471 Aster Asteraceae

3
16472. Prunus

1
16473.

1
16474. Pinus

1
~~16475. Ambrosia~~
1
16475.

Asteraceae

1
~~16476. Ambrosia~~

~~Asteraceae~~

August 8, 2000. MO:
Wildcat Glade.

1
16476.

Caesalpiniaceae

1
16477. Boltonia

Asteraceae

2 16478. Desmodium — Fabaceae

3 16479. — Euphorbiaceae

16480. Croton — Euphorbiaceae

2 16481. Liatris — Asteraceae

1 16482. — Scrophulariaceae

1 16483. Diodia — Rubiaceae

1 16484. — Alismataceae

2 16485. —

16486 Ambrosia — Asteraceae

16487. Ambrosia — Asteraceae

16488. Ludwigia — Onagraceae

16489. Hypericum — Clusiaceae

August 10, 2000 KS: Crawford Co.

16490

16491.
Pittsburg State University campus.

16492.
Pittsburg State University campus.

16493
Pittsburg State University campus. — Ulmaceae

2
16494. Bout
Just south of Cow Creek Bridge, roaside of highway 69. Poaceae

August 10, 2000. KS: Montgomery County. Independence State Fishing Lake. 6.4 km south of highway 160 and ca. 0.8 km east of highway FAS 475
T33S R16E S19. Lat. 37°09'N; Long. 95°41'W.
w/ students Exposed sandstone.

1
16495. Hieracium
On soil over exposed sandstone. Asteraceae

1
16496. Ammania
Moist soil near dried stream bed. Lythraceae

1
16497
Along dried stream bed. Vitaceae

1
16498. Viburnum
Margin of dried stream bed. Caprifoliaceae

2
16499. Cornus
Margin of dried stream bed. Cornaceae

3
16500.

On soil over exposed sandstone. Poaceae

16501. Penthorum

On thin soil over sandstone near water.

August 10, 2000. KS: Montgomery County. "Lover's Leap". 4.8 Km east of FAS475 and ca. 5.0 Km south of highway 160. T33S, R16E, S16. Lat. 37°11'N, Long. 95°40'W. Oak/Hickory woods of sandstone bluffs. w/students

16502. Asimina

Ravine along bluffs Annonaceae

16503. Mimulus

Moist stream bed. Scrophulariaceae

16504. Scrophularia

Moist soil of bank along stream bed. Scrophulariaceae

August 15, 2000. KS: Montgomery County. Independence Montgomery County State Fishing Lake. 6.4 km south of highway 160 and ca. 0.8 km east of highway FAS475. T33S R16E S19. Lat. 37°09'N, Long. 94°41'W

16505. Frullania

16506.

On soil over sandstone beneath Juniperus

16507. Reboulia

On thin soil over sandstone along dried streambed.

16508. Oxymitria

On thin soil over sandstone at margin of exposed rock and prairie.

August 15, 2000 KS: Montgomery County. "Lover's Leap" 4.8 km east of FAS475 and ca. 5.0 km south of highway 160. T33S R16E S16. Lat. 37°11'N; Long. 95°40'W. Oak/Hickory woods of sandstone bluffs.

16509. Conocephalum

z
16510. Frullania
On vertical sandstone.

1
16511. Frullania
On vertical sandstone.

1
16512.
On vertical, moist sandstone. Anthocerotophyta

August 29, 2000. KS: Crawford County. Wilderness Park. T30S, R25E S7, E½. Lat. 37.27'N Long. 94.42'W.
ca 6.4 Km south of Highway 57 and 0.8 Km east of Highway 69.
w/ Lorrie Rayburn

z
16513. Solidago altissima L. var. altissima
Common at edge of prairie. Asteraceae

1
16514. Chamaesyce maculata (L.) Small
Margin of parking area. Euphorbiaceae

14
16515. Boehmeria cylindrica (L.) Sw. var. cylindrica
Low moist area south of Casaletto Trail. Urticaceae

z
16516 Verbesina alternifolia (L.) Britton
Along margin of woods. Asteraceae

1 16517. Parthenocissus quinquefolia (L.) Planch. var. quinquefolia
Common throughout. Vitaceae

1 16518 Solidago altissima L. var. altissima
Common at edge of prairie. Asteraceae

2 16519. Smilax hispida Muhl. ex Torr. Smilacaceae
Common throughout.

2 16520 Polygonum punctatum var. confertiflorum (Meisn.) Fassett
Margin of intermittent pools. Polygonaceae

3 16521 Cyperaceae

1 16522. Morus alba L. Moraceae
Scattered throughout.

1 16523. Rudbeckia triloba var. triloba L.
Along Black Oak Trail. Asteraceae

2 16524 Acalypha rhomboidea Raf. Euphorbiaceae
Open woods south of Casaletto Trail.

2 16525 Sicyos angulatus L. Cucurbitaceae
Common growing over vegetation at beginning of Casaletto Trail and Black Oak Trail.

1
16526. Gleditsia triacanthos L. f. triacanthos
South edge of parking lot. Caesalpiniaceae

2
16527. Phytolacca americana L.
Edge of woods along Black Oak Trail. Phytolaccaceae

2
16528. Carya cordiformis f. latifolia (Sarg.) Steyerm.
Common throughout. Juglandaceae

2
16529. Ulmus rubra Muhl.
Common throughout. Ulmaceae

1
16530. Carya cordiformis f. latifolia (Sarg.) Steyerm.
Common throughout. Juglandaceae

2
16531. Ulmus rubra Muhl.
Common throughout. Ulmaceae

2
16532 Quercus macrocarpa Michx.
Common throughout. Fagaceae

2
16533. Ruellia strepens L. f. strepens
Edge of woods along Black Oak Trail. Acanthaceae

2
16534. Morus rubra L.
Common throughout. Moraceae

2 16535 Cornus drummondii C. A. Mey
Common throughout. Cornaceae

2 16536. Lonicera maackii (Rupr.) Maxim.
Common throughout. Caprifoliaceae

2 16537. Rhus copallina var. latifolia Engler
Common throughout. Anacardiaceae

2 16538. Rhus glabra L.
Common throughout. Anacardiaceae

1 16539. Quercus velutina Lam. f. velutina Fagaceae
Common throughout.

1 16540. Quercus macrocarpa Michx. Fagaceae
Common throughout.

1 16541. Morus alba L. Moraceae
Along trail from trail sign.

3 16542. Helianthus tuberosa L.
Off Black Oak Trail just south of Millenium Trail. Asteraceae

1 16543. Ipomoea hederacea Jacq. Convolvulaceae
Growing over vegetation along Black Oak Trail just south of parking area.

2
16544. Symphoricarpus orbiculatus Moench
Trail head at trail sign (Casaletto). Caprifoliaceae

2
16545. Lactuca canadensis L.
Edge of woods along Black Oak Trail. Asteraceae

2
16546. Geum canadense Jacq.
In woods off trail to prairie (Black Oak) Rosaceae

1
16547. Lactuca floridana (L.) Gaertn. var. floridana f. floridana
Trail to prairie (Black Oak) Asteraceae

3
16548 Mimulus alatus Aiton f. alatus
Trail leading to prairie (Black Oak) Scrophulariaceae

2
16549.
Poaceae

1
16550 Eupatorium perfoliatum L. var. perfoliatum f. perfoliatum
Trail through prairie (Wild Turkey) Asteraceae

2
16551. Verbena hastata L. f. hastata
Trail to prairie (Black Oak) Verbenaceae

1
16552. Helianthus tuberosa L.
Edge of woods of open area Asteraceae
just south of Millenium Trail.

2
16553. Lycopus americanus Muhl. ex W.P.C. Barton
Trail through prairie area. (Wild Turkey) Lamiaceae

1
16554. Cirsium discolor (Muhl. ex Willd) Spreng. f. discolor
Praire between Black Oak Trail and Railroad Trail. Asteraceae

2
16555. Vernonia baldwinii Torr. ssp. baldwinii f. baldwinii
Along Railroad Trail. Asteraceae

1
16556. Populus deltoides W. Bartram ex Marshall Salicaceae
Along trail to prairie (Black Oak)

3
16557. Solidago altissima var gilvocanescens (Rydb.) Semple
Prairie, near Railroad Trail) Asteraceae

2
16558. Sambucus canadensis L.
Along west trail to prairie (Black Oak) Caprifoliaceae

2
16559. Cornus drummondii C.A. Mey
Common throughout. Cornaceae

2
16560
Cyperaceae

1
16561. Amaranthus rudis J.D. Sauer
Along Miner's Trail. Amaranthaceae

2
16562. Poaceae

2
16563. Poaceae

3
16564

2.
16565. Panicum anceps Poaceae

September 5, 2000. KS: Crawford County. Wilderness Park.
Ca. 0.6 KM west of U.S. Highway 69. T30S R25E S7W 1/2
Long. 94° 42' W Lat. 37° 27' N
w/ Lorrie Rayburn

1
16566. Rudbeckia triloba L. var. triloba
Along Railroad Trail. Asteraceae

2
16567. Acer saccharinum L.
Scattered throughout. Aceraceae

1
16568. Verbena urticifolia L. var. urticifolia
Along trail to prairie (Black Oak) Verbenaceae

1 ✓
16569. Physalis heterophylla Nees var. heterophylla
Edge of parking area. Solanaceae

2 ✓
16570. Solanum rostratum Dunal
Edge of parking area. Solanaceae

2 ✓
16571. Cephalanthus occidentalis L. Rubiaceae
Low wet area between Casaletto Trail and Cross Creek Trail.

1 ✓
16572. Chamesyce nutans (Lag.) Small
Edge of parking area. Euphorbiaceae

1 ✓
16573. Chamaesyce maculata (L.) Small
Edge of parking area. Euphorbiaceae

1/2 ✓
16574. Lonicera maackii (Rupr.) Maxim. Caprifoliaceae
Common throughout.

1 ✓
16575. Menispermum canadense L. Menispermaceae
Frequent along head trail (Casaletto)

2 ✓
16576. Amphicarpaea bracteata (L.) Fernald
Frequent in woods. Fabaceae

2 ✓
16577. Quercus macrocarpa Michx.
Abundant throughout. Fagaceae

2 ✓
16578. Platanus occidentalis L. Platanaceae
Scattered in woods.

2 ✓
16579. Fraxinus pennsylvanica Marsh. Oleaceae
Near entrance.

2 ✓
16580. Solidago altissima L. var. altissima
Prairie. Asteraceae

4 ✓
16581. Rudbeckia triloba L. var. triloba
Disturbed ground of parking area. Asteraceae

1 ✓
16582 Ambrosia trifida L.
Edge of parking area at edge of woods. Asteraceae

21 ✓
16583. Rosa ~~setigera Michx. var. setigera~~ multiflora Thunb.
Along head trail (Casaletto). Rosaceae

1 ✓
16584. Celastrus scandens L. Celastraceae
Climbing over vegetation along trail (Wild Turkey Trail).

1
16585. Prunus
Rosaceae

1 ✓
16586. Ulmus rubra Muhl.
Frequent throughout woods. Ulmaceae

3 16587. Chasmanthium — Poaceae

2 16588. — Poaceae

2 16589. — Poaceae

2 16590. Crataegus mollis (Torr. & A. Gray) Scleele var. mollis — Rosaceae
In woods off trail to prairie (Black Oak)

1 16591 Polygonum virginianum L. var. virginianum — Polygonaceae
Along trail to prairie. (Black Oak).

1 16592. Gaura longiflora Spach — Onagraceae
Along trail to prairie (Black Oak).

16593. Ambrosia artemisiifolia L. — Asteraceae
Along trail through prairie (Wild Turkey).

2 16594. Ambrosia artemisiifolia L. — Asteraceae
Common along trail to prairie. (Black Oak).

3 16595. Vitis vulpina L. — Vitaceae
Climbing over trees and shrubs along trails.

16596. Diospyros virginiana var. platycarpa f. platycarpa Sarg.
Scattered through woods of trails. Ebenaceae

16597. Agrimonia pubescens Wallr.
Trail to prairie (Railroad) Rosaceae

16598. Sorgastrum nutans (L.) Nash
Common in prairie. Poaceae

16599. Polygonum pensylvanicum var. laevigatum Fernald f. laevigatum. Mowed area off trail to prairie (Black Oak). Polygonaceae

16600 Ampelopsis cordata Michx.
Climbing over trees at east end of parking area. Vitaceae

16601. Lactuca floridana (L.) Gaertn. var. floridana f. floridana
Infrequent along trail to prairie (Black Oak). Asteraceae

16602. Helianthus mollis Lam.
Prairie and margin of woods. Asteraceae

16603. Mollugo verticillata L. Molluginaceae
North end of parking area.

16604. ~~Aitanthus altissima (Mill.) Swingle~~ Juglans nigra
At east trail entrance (Casaletto). ~~Simaroubaceae~~ Juglandaceae

2 16605. Vitis vulpina L. — Vitaceae
Common throughout.

2 16606. Bidens aristosa (Michx.) Britton — Asteraceae
Along trails.

3 16607. Setaria — Poaceae

2 16608. — Poaceae

3 16609. Andropogon gerardii — Poaceae

3 16610. Digitaria — Poaceae

2 16611. Tridens — Poaceae

1 16612. — Poaceae

1 16613. Conza — Asteraceae

1 16614. Paspalum — Poaceae

2 16615. Setaria — Poaceae

2 16616. Spartina — Poaceae

2 16617. Lemna minor — Lemnaceae

1 16618.

1 16619.

2 16620.

3 16621.

2 16622

2
16623

1
16624.

16624a. Ambrosia trifida L. Asteraceae

September 5, 2000. KS: Crawford County. Wilderness Park.

w/ Lorrie [illegible] Parrish

2
16625. Commelina diffusa Burm.f. Commelinaceae

2
16626. Ludwigia peploides (H.B.K.) Raven Onagraceae
In standing pools.

2
16627. Sagittaria latifolia Willd. Alismataceae

1
16628 ~~Phyla~~ [illegible] lanceolata (Michx.) Greene Verbenaceae

2
16629. Ludwigia ~~peploides~~ palustris (L.) Ell. Onagraceae
In standing pools.

2 Eleocharis compressa Sull.
16630. ~~[illegible]~~ Cyperaceae
Wet depressions of Railroad Trail

1 Chamaecrista fasciculata (Michx.) Greene
16631. ~~[illegible]~~
Prairie. Caesalpiniaceae

1
16632. Agalinus fasciculata (Elliott) Raf.
Scrophulariaceae

1
16633. Desmodium paniculatum (L.) DC.
Fabaceae

3
16634. Cuscuta polygonorum Engelm.
On Polygonum Cuscutaceae

2
16635 Polygonum hydropiperoides Michx.
Polygonaceae

1
16636. Lespedeza capitata Michx.
Fabaceae

1
16637. Panicum acuminatum § var. acuminatum Sw.
Prairie. Poaceae

2
16638. Boltonia asteroides var. recognita (Fern. & Grisc.) Cronq.
Asteraceae

16639. Gaura longiflora Spach
Onagraceae

16640. Amphicarpa bracteata (L.) Fern.
Frequent throughout woods.
Fabaceae

16641. Polygonum scandens L.
Polygonaceae

16642. Lactuca floridana (L.) Gaertn.
Asteraceae

16643. ~~[illegible]~~ Iva ciliata Willd.
Asteraceae

16644. Parthenocissus quinquefolia (L.) Planch.
Vitaceae

16645. Ambrosia bidentata Michx.
Asteraceae

16646. Carya cordiformis (Wang.) K. Koch
Fagaceae

16647. Fraxinus pennsylvanica var. subintegerrima (Vahl.) Fern.
Oleaceae

16648. Convolvulus sepium L.
Convolvulaceae

16649. Asimina triloba (L.) Dunal
Annonaceae
In small groves along Cross Creek Trail and south end of Casaletto Loop Trail.

16650. Quercus palustris Münchh.
Common throughout.
Fagaceae

16651. Carya cordiformis (Wang.) K. Koch
Fagaceae

16652. Verbesina alternifolia (L.) Britton
Prairie.
Asteraceae

16653 Verbesina virginica var. virginica L.
At east end of Millenium Trail.
Asteraceae

16654. Cercis canadensis var. canadensis f. glabrifolia Fernald
Common throughout.
Caesalpiniaceae

16655. Panicum anceps Michx. var. anceps
Edge of parking lot.
Poaceae

16656. Leonurus cardiaca L.
Lamiaceae
Edge of woods along Wild Turkey Trail.

1 16657. Ludwigia alternifolia L.
Moist ditch at edge of prairie along Wild Turkey Trail. Onagraceae

16658. Cyperaceae

16659. Cyperaceae

2 16660. Eragrostis spectabilis (Pursh) Steud. Poaceae

1 16661. Lespedeza virginica (L.) Britton
Prairie. Fabaceae

1 16662. Vitis vulpina L.
Climbing over shrubs and trees throughout park. Vitaceae

1 16663. Cornus drummondii C.A. Mey.
Throughout park. Cornaceae

September 8, 2000. KS: Crawford County. Wilderness Park.

2 166604. Poaceae

1 1 ✓
16665. Desmodium paniculatum (L.) DC.
Scattered along trail through prairie. Fabaceae

1 1 ✓
16666. ~~Cynanchum~~ Cynanchum laeve (Michx.) Pers.
Along west line. Asclepidaceae

1
16667.
Poaceae

1 1 ✓
16668. Quercus palustris Münchh.
Common throughout. Fagaceae

1 1 ✓
16669. Vitis vulpina L.
Common throughout. Vitaceae

1
16670.
Cyperaceae

1 1 ✓
16671. Apocynum cannabinum L. var. cannabinum
Along trail to prairie area. Apocynaceae

1 2
16672.
Cyperaceae

1 2
16673. Plantago
Plantaginaceae

1
16674. Paspalum
Poaceae

1 ✓
16675. Sida spinosa L.
Margin of parking area at north side.
Malvaceae

1 ✓
16676. Capsella bursa-pastoris (L.)
Brassicaceae

2 ✓
16677. Euphorbia dentata Michx.
Margin of woods.
Euphorbiaceae

2
16678. Digitaria
Poaceae

1 ✓
16679. ~~Rhus~~ Toxicodendron radicans ssp. negundo (Greene) Gillis
Common throughout woods; along trail.
Anacardiaceae

1 ✓
16680. Lonicera japonica Thunb. var. japonica
Climbing over other vegetation in woods.
Caprifoliaceae

1 ✓
16681 Diarrhena ~~americana Beauv.~~ obovata (Gleason) Brandenburg
Woods east of Black Oak Trail.
Poaceae

2 ✓
16682. Quercus macrocarpa Michx.
Common throughout.
Fagaceae

2 ✓
16683. Eupatorium rugosum var. rugosum L.
Asteraceae

1 ✓
16684. Quercus ~~palustris~~ Palustris Münchh.
Common throughout. Fagaceae

1 ✓
16685. Betula nigra L.
Along streams. ~~Betulaceae~~

1 2 ✓
16686. Celtis occidentalis L. var. occidentalis
Scattered throughout. Ulmaceae

1 ✓
16687. Senna marilandica (L.) Link
Along Millenium Trail. Caesalpiniaceae

1 ✓
16688. Robinia pseudo-acacia L. Fabaceae
Margin of woods near parking area.

1 2 ✓
16689. Hypericum sphaerocarpum var. sphaerocarpum Michx.
Woods along Casaletto Loop. Clusiaceae

1 ✓
16690 Agrimony pubescens Wallr.
Along Black Oak Trail near prairie. Rosaceae

1 ✓
16691. Solidago missouriensis var. fasciculata Holz.
Prairie. Asteraceae

1 ✓
16692. Pluchea camphorata (L.) DC.
Prairie. Asteraceae

2
16693.

1 ✓
16694. Vitis aestivalis var. aestivalis Michx.
Scattered throughout - climbing over vegetation. Vitaceae

2 ✓
16695. Betula nigra L.
along cow creek and branches. Betulaceae

2 ✓
16696. Smilax hispida Muhl. ex Torr. Smilacaceae
Throughout - climbing over other vegetation.

1 ✓
16697. Maclura pomifera (Raf.) C.K. Schneid.
Scattered throughout. Moraceae

September 12, 2000. KS: Crawford Co. Wilderness Park.

w/ Lorrie Rayburn

✓16698. Lespedeza repens (L.) Barton
Parking area at north end. Fabaceae

16699. Rudbeckia hirta var. pulcherrima Farw. Asteraceae
Frequent in prairie and parking area.

16700. Acalypha virginica L. Euphorbiaceae
Margin of prairie.

16701. Viburnum prunifolium L. Caprifoliaceae
Infrequent in woods.

16702. Hibiscus trionum L. Malvaceae
Parking area.

16703. Physalis longifolia var. subglabrata (Mack. and Bush) Cronquist Solanaceae
Parking area.

16704. Mirabilis

16705 Salix nigra Marshall Salicaceae
Common along stream and pits.

16706. Quercus Fabaceae

16707. Prunus Rosaceae

1 ✓
16708. Carya cordiformis f. latifolia (Sarg.) Steyerm.
Frequent throughout. Juglandaceae

1 ✓
16709. Carya cordiformis f. latifolia (Sarg.) Steyerm.
Frequent throughout. Juglandaceae

1 ✓
16710. Gymnocladus dioica (L.) Koch Caesalpiniaceae
Edge of woods along trail to prairie.

2 ✓
16711. Crataegus mollis (Torr. & A. Gray) Scheele var. mollis
Infrequent in woods. Rosaceae

2 ✓
16712. Lobelia cardinalis L. ssp. cardinalis var. cardinalis
Infrequent along stream. Campanulaceae

2 ✓
16713. Penthorum sedoides L. Saxifragaceae
Edge of woods along trail to prairie.

1 ✓
16714. Arisaema triphyllum (L.) Schott ssp. triphyllum
Low woods. Fruit

3 ✓
16715. Helianthus grosseserratus G. Martens
Edge of woods near clearcut. Asteraceae

1 ✓
16716. Polystichum acrostichoides (Michx.) Schott.
Infrequent in woods.

1 ✓
16717 Bidens aristosa (Michx.) Britton
Common in low areas. Asteraceae

1 ✓
16718. Elephantopus carolinianus Raeusch.
Infrequent in woods. Asteraceae

1 ✓
16719. Agalinus tenuifolia var. macrophylla (Benth. ex Hook.) S.F. Blake
Scrophulariaceae

2 ✓
16720. Euonymous alata (Thunb.) Sieb.
Common throughout.

2
16721. Cuscuta polygonorum Engelm.
Growing over Polygonum sp. in wet sites. Cuscutaceae

2 ✓
16722. Bidens frondosa L.
Margin of low pit area. Asteraceae

1
16723.
Poaceae

1 2
16724.
Poaceae

✓
16725. Lespedeza capitata Michx.
In prairie. Fabaceae

16726. Liatris pycnostachya Michx. f. pycnostachya
Prairie
Asteraceae

16727. Ilex decidua Walter
Infrequent in woods.
Aquifoliaceae

16728. Amorpha fruticosa L.
Margin of low wet areas.
Caesalpiniaceae

16729. Rudbeckia triloba L. var. triloba
Woods.
Asteraceae

16730. Euthamia gymnospermoides Greene
Prairie; Infrequent.
Asteraceae

16731. Rosa setigera Michx. var. setigera
Climbing over other vegetation along trails.
Rosaceae

16732. Prunus hortulana L.H. Bailey
Infrequent in woods.
Rosaceae

16733. Cercis canadensis L. var. canadensis
Scattered throughout
Caesalpiniaceae

16734.

1
16735.

2
16736.

1
16737.

2
16738.

2
16739

2
16740

2
16741

2
16742

2
16743

1
16744.

2
16745. Frullania

Jubulaceae

3
16746.

1
16747.

2
16748

1
16749

2
16750. Bryum

Bryaceae

1
16751.

16752.

1
16753.

1
16754.

1
16755.

2
16756

1
16757

1
16758

September 19, 2000. KS: Crawford County. Wilderness Park.

w/ Lorrie Rayburn

1
16759. Panicum virgatum L.

Poaceae

EZ
16760. Panicum virgatum L.
Poaceae

1
16761 Mimulus alatus f. alatus Aiton
Margin of woods along Black Oak Trail. Scrophulariaceae

1
16762. Sorghastrum nutans (L.) Nash
Prairie Poaceae

2
16763. Amaranthus rudis J.D. Sauer
Parking area. Amaranthaceae

1
16764. Eupatorium altissimum L.
Margin of woods along Miner's Trail. Asteraceae

3
16765. Pilea pumila (L.) A. Gray
Low wooded area south of Casaletto Loop. Urticaceae

B4
16766.
Poaceae

3
16767. Xanthium strumarium L.
Asteraceae

2
16768. Oxalis stricta L.
Edge of White Tail Run Trail. Oxalidaceae

1
16769.

1
16770.

3
16771

16772. Dioscorea villosa L.
In woods east of Black Oak Trail. Dioscoreaceae

2
16773. Celastrus orbiculatus Thunb. Celastraceae
Margin of woods of Caseletto Loop.

2
16774.

1
16775. Oxalis stricta L.
Margin of trail along Casaletto Loop. Oxalidaceae

2
16776. Apocynum cannabinum var. cannabinum L.
Along west fence at south end of Black Oak Trail. Apocynaceae

3
16777. Viburnum rufidulum Raf.
In woods east of Black Oak Trail. Caprifoliaceae

16778. Carya cordiformis f. cordiformis (Wangenh.) K. Koch
Common throughout park. Juglandaceae

1
16779. Gymnocladus dioica (L.) K. Koch
Edge of woods along Black Oak Trail Caesalpiniaceae

16780. Rubus ostryifolius Rydb.
Edge of woods along Black Oak Trail. Rosaceae

1
16781. Polygonum virginianum var. glaberrimum (Fern.) Steperm.
Low wet area just south of parking area. Polygonaceae

1
16782. Pyrrhopappus carolinianus (Walter) DC.
Near gate at park entrance. Asteraceae

1
16783. Euthamia gymnospermoides Greene
Prairie. Asteraceae

1
16784. Andropogon gerardii var. gerardii Vitman
Prairie. Poaceae

2
16785. Juglans niger f. nigra L.
Near entrance to Caseletto Trail. Juglandaceae

2
16786. ~~Quercus~~ Juglans nigra f. nigra L.
Juglandaceae

2 laeve Michx.
16787. Paspalum laeve var. ~~circulare (Nash) Fernald~~
Disturbed ground of parking lot. Poaceae

3
16788. Lactuca ludoviciana f. ludoviciana (Nutt.) Riddell
Asteraceae

1
16789. Eupatorium serotinum Michx.
Open area between Millenium Trail and Wild Turkey Trail. Asteraceae

1
16790. Setaria glauca (L.) P. Beauv.
Parking area. Poaceae

1
16791. Sicyos angulatus L.
In ~~one~~ woods at entrance of Casaletto Loop. Cucurbitaceae

21
16792. Physalis pubescens var. glabra (Michx.) Waterfall
Solanaceae

21
16793. Physalis pubescens var. glabra (Michx.) Waterfall
Solanaceae

3
16794. Setaria viridis (L.) Beauv. var. viridis
Edge of parking lot. Poaceae

2
16795. Euphorbia dentata Michx.
Parking area. Euphorbiaceae

September 22, 2000. KS: Butler County. Prairie on west side of highway 177 ca. 3.85 Km north of highway 54. T25S, R6E, S27. Lat. 37°5'N Long. 96°45'W
w/ Lorrie Parrish

B 1
16796. Liatris mucronata DC.
Frequent
Asteraceae

2
16797. Solidago missouriensis var. fasciculata Holz.
Asteraceae

3
16798. Artemisia ludoviciana Nutt. var. ludoviciana
Frequent.
Asteraceae

1
16799. Helianthus salicifolius A. Dietr.
Asteraceae

1
16800. Mirabilis albida (Walt.) Heimerl.
Frequent.
Nyctaginaceae

16801. Euthamia gymnospermoides Greene
Prairie
Asteraceae

1
16802. Ephorbia marginata Pursh
Euphorbia
Euphorbiaceae

16803. Gaura longiflora Spach
Frequent. Onagraceae

16804. Eryngium leavenworthii T. & G. Apiaceae
Frequent.

16805. Salvia azurea var. grandiflora Benth.
Common. Lamiaceae

16806. Kuhnia
Common. Asteraceae

16807. Solidago rigida L. ssp.
Common. Asteraceae

16808. Bouteloua hirsuta Lag. var. hirsuta
Abundant. Poaceae

September 26, 2000 KS: Crawford County. Wilderness Park.

16809. Eryngium yuccifolium Michx.
prairie

2 16810. Celastrus scandens L. Celastraceae — Along Caseletto Trail

16810 a. Physalis longifolia var. longiflora Nutt. — Parking Area

16811. Psoralidium tenuiflorum (Pursh) Rydb.
Prairie — Fabaceae

16812. Vernonia ~~missouriensis~~ missurica f. missurica Raf.
Prairie — Asteraceae

21 16813. Aster praealtus var. praealtus Poir.
Prairie. — Asteraceae

16814. Euthamia gymnospermoides Greene
Prairie — Asteraceae

16815. Phytolacca americana L.
Margin of woods along Black Oak Trail. — Phytolaccaceae

16816. Lycopus americanus Muhl. ex W.P.C. Barton
Wet depression near pits. — Lamiaceae

2 16817. Hypericum sphaerocarpum var. sphaerocarpum Michx.
Open woods along Casaletto Loop. — Clusiaceae

16818. Aster pilosus var. pilosus f. pilosus Willd.
Prairie — Asteraceae

OK4

September 26, 2000. OK:
Tulsa Zoo.

2 16819.

October 1, 2000. KS: Crawford County. Wilderness Park.

1 16820. Elipta prostrata (L.) L.
Margin of woods along Cross Creek Trail. Asteraceae

1 16821. Lepidium densiflorum var. densiflorum Schrad.
Parking area. Brassicaceae

2 16822. Ipomoea hederacea Jacq.
Along west fenceline along Black Oak Trail. Convolvulaceae

2 16823. Lobelia inflata L. Campanulaceae
Along Black Oak Trail at Margin of Woods. ← Habitat

1 16823a. Cuphea viscosissima Jacq. Lythraceae.

1 16824. Conza canadensis var. canadensis (L.) Cronquist
Asteraceae

1 16825. Solidago nemoralis var. longipetiolata (Mack. & Bush)
Along Black Oak Trail. E. J. Palmer & Steyerm. Asteraceae

16826a.

z
16826. Aster pilosus Willd. var. pilosus f. pilosus
Margin of woods along Black Oak Trail. Asteraceae

z
16827. Oxalis stricta L.
Along Black Oak Trail at south end. Oxalidaceae

16828. Eupatorium serotinum Michx.
Wooded area near Wild Turkey Trail. Asteraceae

z
16829. Solidago nemoralis var. longipetiolata (Mack. & Bush)
E. J. Palmer & Steyerm. Asteraceae
Prairie at south end near
Black Oak Trail.

October 3, 2000. KS: Crawford County. Wilderness Park.

$4
16830.
Cyperaceae

z
16831. ✓ Iva annua L. var. annua
Edge of west property line. Asteraceae

z
16832. Polygonum hydropiperoides Michx.
Margin of intermittent pools. Polygonaceae

21
16833. Grindelia lanceolata Nutt. var. lanceolata f. lanceolata
Along fence of west property line. Asteraceae

2
16834. Solidago rigida ssp. humilis (Porter) S.B. Heard & Semple
Prairie. Asteraceae

October 6, 2000. KS: Crawford County. Wilderness Park.

21
16835. Ipomoea hederacea Jacq.
Along west fence line. Convolvulaceae

21
16836. Ilex decidua Walt.

1
16837. Eupatorium altissimum L.
Edge of west property line. Asteraceae

October 14, 2000. Missouri: Barry County. John and Nancy Cook.

2
16838.

16839.

16840. Aster — Asteraceae

16840a. Aster

October 30, 2000. Missouri: Barton County. Prairie State Park.

16841. Viburnum

16842. Spiranthes — Orchidaceae

16843. Gentiana — Gentinaceae

16843a. Sphagnum

October 31, 2000. Kansas: Crawford County. Wilderness Park.

16844. Agalinus tenuifolia var. macrophylla (Benth ex Hook.) S.F. Blake — Scrophulariaceae
Prairie.

1
16845. Prunus hortulana L.H. Bailey Rosaceae
Infrequent in woods.

1
16846. Prunus hortulana L.H. Bailey Rosaceae
Infrequent in woods.

1
16847. Quercus rubra var. rubra L. Fagaceae
Scattered throughout.

1
16848. Smilax hispida Muhl. ex Torr. Smilicaceae
Throughout, climbing over vegetation.

1
16849. Quercus macrocarpa Michx. Fagaceae
common throughout.

2
16850. Ligustrum vulgare L. Oleaceae
common throughout.

1
16851 Ulmus pumila L. Ulmaceae
woods west of Casaletto Loop, uncommon.

12
16852. Schizachyrium scoparium var. scoparium (Michx.) Nash Poaceae
Prairie

1
16853. Clematis terniflora DC. Ranunculaceae
Infrequent in woods at south end of park.

4
16854.

1
16855. Lepidium densiflorum var. densiflorum Brassicaceae
Parking area. Schrad.

1
16856. Polygonum neglectum Besser Polygonaceae
Parking area.

2
16856a. Trullania

November 9, 2000. Mississippi: Lee County.

2
16857. Asteraceae

November 9, 2000. Mississippi: Lee County. Natchez Trace

1
16858. Quercus

November 16, 2000. Kansas: Montgomery County. Montgomery County State Fishing Lake.

3 16859. Oxymitra

3 16860.

February 3, 2001. Missouri: Jasper County. Wildcat Glade.

w/ Bryology Class

1 16861.
On soil over chert.

2 16862. Selaginella rupestris
On thin soil over chert. Common.

1 16863.
On thin soil over chert.

z
16864. Hedwigia ciliata
On thin soil over chert. Common.

16865. Climacium

16866.
On chert in crevice of overhang.

z
16867.
On soil near stream (intermittent).

z
16868. Thelia

February 17, 2001. Kansas. Montgomery Co., 6.4 km South of KS. Hiway 160 and ca. 0.10 km east of KS. ~~[illegible]~~ county road 3900. State Lake area just south of KS. County Road 3600. Surfacing sandstone on south side of lake. S19, T33S, R16E.
Lat. Long.
w/ bryology class.

~~E 16869. [illegible]~~

16869. Asplenium platyneuron var. incisum (Howe ex Peck) B.L. Rob.
On soil in oak/hickory woods.

16870.
On fallen hickory. In oak/hickory woods.

16871. Asplenium platyneuron var. incisum (Howe ex Peck) B.L. Rob. / Fern
On soil in SS crevices. Aspleniaceae

1
16872.
On SS rock.

1
16873.
On surfacing sandstone.

2
16874.
On SS boulders in oak/hickory woods.

16875.
On bark of Juniperus.

16876.

3
16877. Brachythecium

16878. Oxymitria
On soil over surfacing SS.

16879.

16880. Fissidens
On soil along intermittent stream.

16881. Hedwigia ciliata
On soil over surfacing sandstone and on boulders.

16882.
Bryaceae

16883.
At base of Juniperus.

16884.
On trunk of Juniperus.

16885.
On soil over surfacing SS.
Grimmiaceae

16886.
On soil over SS.
Anomodontaceae

16887.
On soil at base of Quercus.

4
16888.
On soil over SS under Juniperus.

2
16889.
On thin soil over surfacing SS.

1
16890.
On soil of surfacing SS.

February 17, 2001. Kansas: Montgomery County. 6.4 km south of KS Hiway 160 and ca. 0.10 km east of KS county road 3900. State fishing lake just south of KS county road 3600. Sandstone ravine. S19, T33S, R16E. Lat. Long. w/ Bryology class.

1
16891.
On soil below SS overhand. Fissidentaceae

2
16892. Climacium
On soil along intermittent stream.

16893.
On fallen Diospyros tree.

4
16894. Reboulia
On thin soil over SS near creek.

z
16895.
On Quercus log.

February 17, 2001. Kansas: Montgomery County. "Lover's Leap."
Ca. 1.8 km south of Co. Hiway 4000 (= College Avenue) and
ca. 0.8 km west of Co. Hiway 4500. Ca. 4.9 km south of
Hiway 160. S16, R16E, T33S. Lat. Long.
Sandstone bluffs and Limestone Ravine.
Oak/Hickory Forest. w/ Bryology Class.

z E
16895. Bryoandersonia illecebra
On SS boulders and soil in upper part of ravine.

z
16896. Teucrium canadense L.
On sandstone boulders at upper part of ravine.

z
16897.
On ss at upper part of ravine.

z
16898. Lechea tenuifolia Michx.
On soil at base of bluff of ravine.

z
16899. Bartramia
On SS boulders at upper part of ravine.

13 E
16900. Frullania
On limestone (vertical).

13 E
16901. Anomodon
On SS boulders at upper part of ravine.

1 R
16902. Aulacomnium

2
16903.
On fallen log in ravine.

1
16904 Anomodon
On sandstone boulders.

1
16905.
On bark at base of Juniperus.

1
16906. Frullania
On bark at base of Juniperus.

4
16907. Conocephalum conicum (L.) Lindb. Conocephalaceae
On soil and over limestone at base of vertical bluffs in ravine.

3
16908.
On wet limestone at base of bluff.

1
16909.
On SS boulder at upper part of ravine.

4
16910. Riccia sorocarpa Bisch.
On soil over surfacing horizontal SS. Ricciaceae

7.
16911. Weissia
On soil over SS rock.

1
16912.
In crevice of limestone overhang.

2
16913. Riccia lamellosa Radd. Ricciaceae
On soil over surfacing, horizontal SS.

2
16914. Oxymitria
On soil over surfacing, horizontal SS.

3
16915.
On soil over SS.

March 2, 2001. MO: Vernon County. Camp Clark Military Reservation.

16916. Dicranum montanum Hedw. Dicranaceae
On sandstone rocks along stream.

16917. Chiloscyphus profundus Lophocoleaceae
On sandstone rocks along stream.

16918. Plagiomnium ciliare (C. Mull.) T. Kop. Mniaceae
On sandstone rock along stream.

16919. Orthotrichum pumilum Sw. Orthotrichaceae
On River Birch.

16920. Pylaisiella selwynii (Kindb.) Grum et al. Hypnaceae
On log in Oak/Hickory woods.

16921. Sphaerocarpos michelii
On soil in prairie. Sphaerocarpaceae

16922. Fossombronia brasiliensis var. brasiliensis Steph. Fossombroniaceae
On soil in prairie.

16923. Aulacomnium heterostichum (Hedw.) BSG.
On sandstone rocks along stream. Aulacomniaceae

16924. Asterella tenella Beauv.
On soil in prairie.

16924a. Helodium paludosum (Sull.) Aust. Helodiaceae

16925. Frullania inflata
On River Birch. Jubulaceae

16926. Frullania ericoides
On River Birch. Jubulaceae

16927. Riccia beyrichiana Hampe
on soil in prairie. Ricciaceae

16927a. Philonotis marchica (Hedw.) Brid. Bartramiaceae on rock along stream

16928. Bruchia flexuosa (Sw. ex Schawegr.) C. Muell.
on soil in prairie. Bruchiaceae

16928a. Scapania nemorosa
on sandstone rocks along stream. Scapaniaceae

March 2, 2001. MO:

16929. Orthotrichum
On Acer sp. Orthotrichaceae

16930.
On wet soil of bank.

16931. Frullania
on Acer sp. Jubulaceae

March 4, 2001. KS: Crawford Co. on Ulmus sp. near Heckert/wells building on west side of Joplin Street.

16932.

March 17, 2001. MS: Tishoming County. Cave Springs. ca. 1.5 Km west-southwest of MS/AL state line on north side of Natchez Trace. T5S, R11E, S16. Lat. 34°38'N, Long. 88°9'W

w/ Bryology Class.

16933.

On soil over rock.

16934,

On soil over rock.

16935. Lejeunea flava (Sw.) Nees. Lejeuneaceae

On very thin soil over sandstone.

16936. Mnium punctatum

16937. Trichocolea?

16938. Plagiochila asplenioides subsp. porelloides (Torrey ex Nees) Schust.
On vertical sandstone rock at cave entrance. Plagiochilaceae.

16939. Leucolejeunea clypeata (Schwein.) Evans
On sandstone rock at mouth of cave. Lejeuneaceae

16940. Dumortiera hirsuta (Sw.) Nees Wiesnerellaceae
On wet vertical sandstone near cave entrance.

16941. Lejeunea laetevirens Nees & Mont. Lejeuneaceae
On sandstone vertical rock near cave entrance.

16942. Pellia epiphylla (L.) Lindb. Pelliaceae
On soil over sandstone.

16943 Unknown
On sandstone rock near cave entrance.

16944. Leucolejeunea clypeata (Schwein.) Evans
On bark of tree. Lejeuneaceae

1 ✓
16945. Rectolejeunea maxonii Evans Lejeuneaceae
On sandstone rock near cave entrance.

1
16946. Radula complanata (L.) Dum. Radulaceae
On sandstone rock near cave entrance.

March 4, 2001. Alabama: Colbert County,
Buzzard's Roost at junction of Natchez Trace
and highway 72. T3S, R14W, S30. Lat. 34°42'N,
Long. 88°02'W. w/Lorrie Parrish.

1 ✓
16947. Frullania inflata Gott. Jubulaceae
On Acer sp.

1 ✓
16948. Porella platyphylla (L.) Pfeiff.
On rock at top of ravine. Porellaceae

1 ✓
16949. Porella pinnata L. Porellaceae
Attached to rock in stream.

March 18, 2001. Alabama: Marion County. Dismals Canyon. T8S, R12W, S34. /w/ Bryology Class
ca. 5.6 Km north of Hackleburg and 2.4 Km South of Liberty Hill. Just west of highway 43. Beech/Maple/Magnolia. along Dismal Branch. Lat. 34°22'N Long. 88°47'W

T ✓
16950. Bazzania trilobata (L.) S. Gray Lepidoziaceae
Attached to sandstone - throughout.

1 ✓
16951. Leucolejeunea clypeata (Schwein.) Evans
On sandstone rock. Lejeuneaceae

1 ✓
16952. Dicranum fulvum Hook. Dicranaceae
On sandstone boulders.

1 ✓
16953. Calypogeia muelleriana (Schiffn.) K. Muell.
Growing over Pallavicinia lyellii on soil. Calypogeiaceae

*4 ✓
16954. Pallavicinia lyellii (Hook.) Gray Pallaviciniaceae
On soil ~~vertical~~ at base of bluff.

1 ✓
16955. Grimmia apocarpa Hedw. Grimmiaceae
On bare sandstone rock.

1 ✓
16956. Plagiomnium ciliare (C. Mull.) T. Kop. Mniaceae
On sandstone boulders. Shaded.

2 ✓
16957. Schwetschkeopsis fabronia (Schwaegr.) Broth.
on beech. Fabroniaceae

1 ✓
16958. Thuidium delicatulum (Hedw.) B.S.G.
On sandstone boulders. Thuidiaceae

2 ✓
16959. Selaginella apoda (L.) Fern. Selaginellaceae
On soil at base of sandstone bluffs.

1 ✓
16960. Diplophyllum apiculatum (Evans) Steph.
On soil at base of bluff; mixed w/ Selaginella apoda; Scapaniaceae.

1 ✓
16961. Vittaria appalachiana Farrar & Mickel
Crevices of vertical sandstone. Vittariaceae

1 ✓
16962. Odontoschisma prostratum (Sw.) Trev.
On sandstone boulders. Cephaloziaceae

2 ✓
16963. Conocephalum conicum (L.) Lindb. Conocephalaceae
On wet soil at base of sandstone bluff.

3 ✓
16964. Jubula pennsylvanica (Steph.) Evans Jubulaceae
On very wet sandstone.

4 ✓
16965. Pellia epiphylla (L.) Lindb. Pelliaceae
On wet soil at base of sandstone bluff.

4 ✓
16966. Leucolejeunea clypeata (Schwein.) Evans
On bark of beech and magnolia. Lejeuneaceae

1 ✓
16967. Frullania asagrayana Mont. Jubulaceae
Mixed w/ Lejeunea clypeata - on beech.

1 ✓
16968. Hypnum curvifolium Hedw. Hypnaceae
Common over Sandstone boulders.

1 ✓
16969. Scapania nemorosa (L.) Dum. Scapaniaceae
Mixed with other bryophytes on Sandstone.

2 ✓
16970. Metzgeria furcata var. ulvula Nees Metzgeriaceae

2. ✓
16971. Fissidens polypodioides Hedw. Fissidentaceae
On soil over wet sandstone.

1 ✓
16972. Odontoschisma prostratum (Sw.) Trev. Cephaloziaceae
Common on sandstone.

1 ✓
16973. Telaranea nematodes (Gott.) Howe Lepidoziaceae
On sandstone mixed with Dicranodontium denudatum

1 ✓
16974. Cephalozia lunulifolia (Dum.) Dum. Cephaloziaceae
On sandstone mixed w/ Telaranea and Dicranodontium.

1 ✓
16975. Dicranodontium denudatum (Brid.) E.G. Britt ex Williams
On sandstone mixed with Dicranaceae
16973 & 16974. also Odontoschisma prostratum

z
16976.
Mixed w/ Odontoschisma prostratum, 16973, 16974 & 16975.

16977. Leucolejeunea conchifolia (Evs.) Evs. Lejeuneaceae
On Acer rubrum.

z
16978. Jubula pennsylvanica (Steph.) Evs. Jubulaceae
On log at base of sandstone bluff.

s
16979. Scapania nemorosa (L.) Dum. Scapaniaceae
On wet rock (sandstone).

March 18, 2001. Alabama: Marion County. Along North Fork Creek at highway 43 bridge and along Gin Creek. T. 9S R13W S27. Lat. 34° 15'N Long. 88° 52' W
Magnolia/Rhododendron/Beech. Sandstone bluffs.
w/ Bryology class.

1
16980. Odontoschisma prostratum (Sw.) Trev.
On sandstone. Cephaloziaceae

7
16981. Odontoschisma denudatum (Nees) Dum.
On rotted log and soil. Cephaloziaceae

1 ✓
16982. Polytrichum commune Hedw. Polytrichaceae
On soil over sandstone.

2 ✓
16983. Scapania nemorosa (L.) Dum. Scapaniaceae
On wet soil over sandstone.

1 ✓
16984. Pogonatum brachyphyllum (Mx.) P.-Beauv.
on soil of road cut. Polytrichaceae

6 ✓
16985. Sphagnum
On wet soil at base of vertical sandstone along Gin Creek. Sphagnaceae.

3 ✓
16986. Sphagnum
On wet soil under Kalmia latifolia along Gin Creek. Sphagnaceae

2 ✓
16987. Sphagnum
On wet soil attached to sandstone boulder. Sphagnaceae

March 18, 2001. Alabama: Marion County. On east side of highway 43 Bridge at North Fork Creek. T9S, R13W S34. Lat. 34°15'N Long. 88°52'W. Magnolia/Rhododendron/Beech. Sandstone along Creek. Ca. 6 Km southwest of Hackleburg. w/ Bryology Class.

81 ✓
16988. Lejeunea flava (Sw.) Nees Lejeuneaceae
On branches, mixed w/ Lejeunea laetevirens.

2 ✓
16989. Lejeunea laetevirens Nees & Mont. Lejeuneaceae
On branches; mixed w/ Lejeunea flava and Frullania asagrayana.

81 ✓
16990. Lejeunea flava (Sw.) Nees Lejeuneaceae
On bark of magnolia.

2 ✓
16991. Unknown — send sample to Redfearn.

3 ✓
16992. Sphagnum
over wet sandstone boulders. Sphagnaceae

4. ✓
16993. Sphagnum
On wet soil at base of sandstone bluff. Sphagnaceae

3 ✓
16994. Sphagnum
On wet soil over sandstone near waterfall. Sphagnaceae

3 ✓
16995. Sphagnum
On wet soil over sandstone near waterfall. Sphagnaceae
Probably same as 16994

3 ✓
16996. Calypogeia peruviana Nees & Mont. Calypogeiaceae
On wet soil over sandstone in deep, very shaded gorge along stream.

3 ✓
16997. Fissidens polypodioides Hedw. Fissidentaceae
On soil over wet sandstone.

4 ✓
16998. Diplophyllum apiculatum (Evans) Steph. Scapaniaceae
On soil over sandstone, mixed with odontoschisma and Pellia.

4. ✓
16999. Pellia epiphylla Pelliaceae
On soil over sandstone at base of bluff.

2 ✓
17000. Bazzania trilobata (L.) S. Gray Lepidoziaceae
On moist sandstone boulders.

1 ✓
17001. Odontoschisma prostratum (Sw.) Trev. Cephaloziaceae
On sandstone boulders.

1 ✓
17002. Cephaloziella hyalina Dovin Cephaloziellaceae
On soil over sandstone.

1 ✓
17003. Leucolejeunea clypeata (Schwein.) Evans
On bark of Rhododendron.

1 ✓
17004. Jubula pennsylvanica (Steph.) Evans Jubulaceae
On soil at base of sandstone bluffs.

March 18, 2001. Alabama: Winston County. Natural Bridge Historical Site. ca. 1.7 Km east of junction highways 278 and 5. T11S, R10W S15. Lat. 34° 6' N Long 87° 33' W. Deep Sandstone Ravine. w/ Bryology Class.

2 ✓
17005. Diplophyllum apiculatum (Evans) Steph. Scapaniaceae
On soil along trail.
mixed w/ other bryophytes - Tortella humilis

1 ✓
17006. Tortella humilis (Hedw.) Jenn. Pottiaceae
On soil along trail.

1 ✓
17007. Hypnum curvifolium Hedw. Hypnaceae
On thin soil over sandstone.

5 ✓
17008. Jubula pennsylvanica (Steph.) Evans Jubulaceae
On wet sandstone.

~~4~~ 4 ✓
17009. Dumortiera hirsuta (Sw.) Nees Wiesnerellaceae
On wet sandstone.

2 ✓
17010. Pellia epiphylla (L.) Lindb. Pelliaceae
On wet sandstone.

2 ✓
17011. Leucobryum albidum (Brid. ex P. Beauv.) Lindb.
On exposed sandstone boulders. Leucobryaceae

1 ✓
17012. Calypogeia fissa (L.) Radd. Calypogeiaceae
on shaded sandstone rock.

2 ✓
17013. Fissidens cf bryoides Fissidentaceae
On sandstone - shaded. To Pursell

1 ✓
17014 Vittaria appalachiana Farrar & Mickel Vittariaceae
On sandstone below overhang.

2 ✓
17015 Syrrhopodon texanus Sull. Calymperaceae
on shaded sandstone.

✓
17016. Diphyscium foliosum (Hedw.) Mohr Diphysciaceae
on sandstone boulders mixed with other bryophytes.

March 19, 2001. Alabama: Winston County. Along Sipsey Fork just north of highway bridge; ca. 5.6 Km west of highway 33. § T8S, R8W, S5. Lat. 34°18'N Long. 87°25' W. Sandstone bluffs along stream. w/ bryology class.

1 ✓
17017. Leucolejeunea clypeata (Schwein.) Evans
on sandstone. Lejeuneaceae

1 ✓
17018. Leucolejeunea unciloba (Lindenb.) Evs.
On Magnolia grandiflora. Lejeuneaceae

2 ✓
17019. Ditrichum pallidum (Hedw.) Hampe
On soil over sandstone. Ditrichaceae

1 ✓
17020. Bartramia pomiformis Hedw. Bartramiaceae
On soil over sandstone.

2. ✓
17021 Frullania asagrayana Mont. Jubulaceae
On sandstone boulder.

3 ✓
17022. Porella pinnata L. Porellaceae
Attached to braches of tree that is
periodicall submerged, edge of creek.

3 ✓
17023. Vittaria appalachiana Farrar & Mickel
Cveuice of Sandstone bluff. Vittariaceae

3 ✓
17024. Hypnum curvifolium Hedw. Hypnaceae
On Sandstone boulder.

✓
17025. Solenostoma crenuliformis (Aust.) Steph.
Jungermanniaceae